

# Rice Road Solar Project

## Decommissioning Plan

5/13/2024

### Introduction

Abundant Solar Power (USNY-6882 Rice Road-001) LLC (“Abundant Solar”) proposes to build a ground-mounted photovoltaic (PV) solar facility (“Solar Facility”) in the Town of East Bloomfield, referred to as the “Rice Road Solar Project.” The Solar Facility is planned to connect to the local electrical grid and have a nameplate capacity of 4.482 megawatts (MW) alternating current (AC). Two electrical transformers and twenty-three string inverters will be included as part of the final design. The Solar Facility is proposed to occupy approximately 20.1 acres of a 33.97 acre parcel of land located north of the intersection of NYS Highway 444 and Rice Road. The tax parcel number is 54.00-1-74.210 in the Town of East Bloomfield, Ontario County, NY (the “Facility Site”).

This Decommissioning Plan (“Plan”) provides an overview of activities that will occur during the decommissioning phase of the Solar Facility, including: activities related to the restoration of land, the management of materials and waste, projected costs, and a decommissioning cost and bond.

This Plan assumes that the Solar Facility will have a maturity date of thirty (30) years; however, its useful lifetime maybe longer. Upon decommissioning the Solar Facility will be dismantled and the Facility Site restored to a state similar to its pre-construction condition. The Plan also covers the case of the abandonment of a Solar Facility, for any reason, prior to the 30-year maturity date. It is designed to provide a level of financial protection for the Town of East Bloomfield.

Decommissioning of the Solar Facility will include the disconnection of the Solar Facility from the electrical grid and the removal of all Solar Facility components including:

- Photovoltaic (PV) modules, panel racking and supports;
- Inverter units, transformers, and other electrical equipment;
- Access roads\*, wiring cables, perimeter fence; and,
- Concrete foundations for fencing,
- Landscaping\*.

\*Note that access roads and/or landscaping may be left in place as described later in this document.

Existing town roads in the vicinity of the project will be televised prior to the start of decommissioning and after decommissioning to determine if any impact to the road was caused due to the decommissioning process and will be reviewed with the Town Highway Superintendent.

This Decommissioning Plan is based on current best management practices and procedures. The Plan may be subject to revision based on new standards and emergent best management practices at the time of decommissioning. Permits will be obtained as required and notification will be given to stakeholders prior to decommissioning.

## Decommissioning of the Solar Facility

The project may be decommissioned under the following conditions:

1. Abundant Solar decides to retire the Solar Facility in accordance with East Bloomfield;
2. Commercial operation of the Solar Facility has not commenced within six (6) months of the project construction completion;

At the time of decommissioning, the installed components will be removed, reused, disposed of, and recycled, where possible. The Facility Site will be restored to a state similar to its pre-construction condition, as further described in the Site Restoration sub-section below. All removal of equipment will be done in accordance with any applicable regulations and manufacturer recommendations. All applicable permits will be acquired, and compliance with the State Environmental Quality Review (SEQR) requirements will be achieved. A Stormwater Pollution Prevention Plan (SWPPP) and coverage under the latest version of the Construction General Permit shall be established prior to start of decommissioning.

In the unlikely scenario that Abundant Solar cannot execute the decommissioning, the Town of East Bloomfield may commence the decommissioning through the bond established to cover the expenses.

### Equipment Dismantling and Removal

During the decommissioning phase, all project components (Exhibit 1) will be removed. Preliminary Site Plan Drawings are attached in Exhibit 2. Generally, the sequence of decommissioning of the Solar Facility proceeds in the reverse order of the installation.

- The Solar Facility shall be disconnected from the utility power grid by disconnecting the undergrounded electrical line at the riser utility pole.
- PV modules shall be disconnected, collected, and disposed at an approved solar module recycler or reused / resold on the market. Although the PV modules will not be cutting edge technology at the time of decommissioning, they are estimated to still produce 80% of the original electricity output at year 25 and add value for many years.
- All aboveground electrical interconnection and distribution cables and poles shall be removed and disposed off-site by an approved facility.
- Underground electric conduits and direct buried conductors shall be removed. These will be sealed or capped in accordance with best practices at the time of decommissioning.
- Galvanized steel PV module support and racking system support posts shall be removed and disposed off-site by an approved facility.
- Electrical and electronic devices, including transformers, inverters, batteries, switchgear, and support structures shall be removed. Transformers and inverter components will be returned to the power authority. Other components not required for return to the power authority will be disposed off-site at an approved facility.

- Concrete foundations shall be removed and disposed off-site by an approved facility.
- Access roads can be left in place at the landowner's discretion. Access roads can remain with approval from the Town of East Bloomfield. This version of the decommissioning plan includes the removal of the access road and fill that was brought into the site for the roads construction.
- Fencing and gates shall be removed and will be disposed off-site by an approved facility.
- All vegetative screening installed as part of this project shall be removed and disposed off-site by an approved facility. Landscaping can remain with approval from the Town of East Bloomfield.

### Site Restoration

Following decommissioning phase and removal of all project components, the Facility Site will be restored to a state similar to its pre-construction condition. The existing (pre-construction) condition is identified as undeveloped, fallow agricultural land adjacent to undeveloped agricultural, forested, and residential land.

Following removal of solar equipment, the land surface shall be restored in accordance with the latest revisions of the NYS Standards and Specifications for Erosion and Sediment Control and the New York State Agriculture and Market (NYSDAM) standards. With this site being on agricultural land and in compliance with the NYSDAM standards, the existing topsoil on site is to be tested prior to commencing construction. Imported topsoil used on site during decommissioning is to match the properties (pH, % organics, Nitrogen content, etc.) of the original topsoil material on site.

If the landowner wishes to keep the trees used for screening or the road this can be negotiated at the time of the decommissioning of the site. If desired, the landowner will need to request written approval from the Town.

### Managing Materials and Waste

Through the decommissioning phase, a variety of excess materials and wastes will be generated (Exhibit 1). Most of the materials used in a Solar Facility are reusable or recyclable and some equipment may have manufacturer take-back and recycling requirements. Any remaining materials will be removed and disposed of off-site at an appropriate facility. Abundant Solar will establish policies and procedures to maximize recycling and reuse and will work with manufacturers, local subcontractors, and waste firms to segregate material to be disposed of, recycled, or reused.

Abundant Solar will be responsible for the logistics of collecting and recycling the PV modules and to minimize the potential for modules to be discarded in the municipal waste stream. Currently, some manufacturers and new companies are looking for ways to recycle and/or reuse solar modules when they have reached the end of their lifespan. It is anticipated there will be more recycling options available for solar modules at the end of the project lifespan. Abundant Solar proposes to determine the best way of disposing of the solar modules using best management practices at the time of decommissioning. Abundant Solar will coordinate with the municipality if the disposal of any project component at the municipal waste facility is necessary.

## Decommissioning Notification

Decommissioning activities generally require the notification of stakeholders given the nature of the works at the Facility Site. The Town of East Bloomfield will be notified prior to commencement of any decommissioning activities.

Notification activities will be initiated six months prior to decommissioning. At this time, Abundant Solar will update their list of stakeholders and notify appropriate jurisdictions and overseeing agencies of decommissioning activities. Federal, county, and local authorities, including the utility company, will be notified as needed to discuss the potential approvals required to engage in decommissioning activities.

## Approvals

Well-planned and well-managed renewable energy facilities are not expected to pose environmental risks at the time of decommissioning. Decommissioning of a Solar Facility will follow the regulatory standards of the day. Abundant Solar will ensure that any required permits are obtained prior to decommissioning.

This Decommissioning Report will be updated as necessary in the future, but not less than every five years, to ensure that changes in technology and site restoration methods are taken into consideration.

## Estimated Timeline

Abundant Solar has prepared a timeline for the major actions to be undertaken during decommissioning. As it is difficult to know what specific approvals and protocols will be in place in 30 years when decommissioning would begin, the timing of these actions is estimated based on best available information.

- Notifications to Stakeholders: Months 0 to 6 (Town notified 6 months prior to decommissioning activities)
- Permitting and environmental review: Months 2 to 6
- Physical Decommissioning and Removal of Equipment: Months 6 to 9
- Restoration: Months 6 to 15 (depending on timing of growing season)

## Decommissioning During Construction or Abandonment Before Maturity

In case of abandonment of the Solar Facility during construction or before its 30 year maturity, the same decommissioning procedures as for decommissioning after ceasing operation will be undertaken and the same decommissioning and restoration program will be honored, in as far as construction proceeded before abandonment. The determination of the abandonment or non-operation of the Solar Facility shall be made by the Town Building Inspector, in accordance with the Town of East Bloomfield. The Solar Facility will be dismantled, materials removed and

recycled/disposed, the soil that was removed will be graded, and the site restored to a state similar to its preconstruction condition.

## Costs of Decommissioning & Decommissioning Bond

The current cost to decommission the 4.482 MW Solar Facility has been estimated on behalf of Abundant Solar by their engineering consultants and construction contractors, following industry standards and using guidance from NYSERDA. It is important to acknowledge that decommissioning of solar arrays has not been undertaken to any significant extent in New York State (or other States), and therefore, actual data and cost estimating models are not available. Moreover, there is great uncertainty in many factors that will come into play at the time of future decommissioning, such as the regulatory climate, changes in technology, repowering opportunities etc. The cost estimate, as a result, is based upon the best available information and engineering and demolition experience with other types of construction projects. In addition, the salvage values of valuable recyclable materials (aluminum, copper, etc.) have *not* been factored into the decommissioning cost estimate, and the scrap value will be determined on current market rates at the time of salvage.

Abundant Solar will provide a financial guarantee to the Town of East Bloomfield prior to undertaking construction in the form of a bond to guarantee that monies are available to perform the Solar Facility decommissioning. Although Abundant Solar intends to perform the decommissioning, unforeseen circumstances such as Abundant Solar selling the project to another party or Abundant Solar going out of business are possible. The bond will be renewed annually and will remain available to any party performing the decommissioning, such as a municipality or a landowner.

Decommissioning of the solar PV system shall be implemented in accordance with the Decommission Plan process as described below. The lease term is for 25 years with two possible 5 year extensions. At year 28 Abundant Solar will communicate with the Town of East Bloomfield the intent to either decommission the project by year 30 or will request an extension from the Town Planning Board to extend the Special Use permit and Site Plan approval. This approval is not guaranteed. Should the Operating Term be extended Abundant Solar will retain an engineer, at their own expense, to review the decommissioning cost estimate, and confirm if the established value is still sufficient to decommission the project. Abundant Solar will provide this report to the Town of East Bloomfield and the decommissioning bond will continue to be held by the Town of East Bloomfield in the amount recommended by the engineer's report.

As a financial assurance measure, Abundant Solar has agreed to provide a financial surety bond of the provided decommissioning cost estimate. The corresponding decommissioning cost for the purposes of financial assurance would be \$162,000.00. The decommissioning estimate was based on professional judgement and knowledge of solar construction activities in New York State. In addition, the decommissioning estimate is based on RS means rates. Exhibit 3 is the decommissioning estimate outline that supports the financial surety bond estimate noted above.

The Town of East Bloomfield shall receive a copy of the security document. Abundant Solar Power (USNY-6882 Rice Road-001) LLC will be responsible for the decommissioning costs and will list the Town of East Bloomfield as having access to the security. Abundant Solar Power (USNY-6882 Rice Road-001) LLC will retain ownership of the property for the life of the solar energy array and through decommissioning completion.

## Decommissioning Agreement

All parties identified are aware and will adhere to the Decommissioning Plan.

**Developer:**

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Print Name	Sign Name
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**Landowner:**

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Print Name	Sign Name
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**Exhibit 1**  
**Schedule of Materials**

Material/Waste	Means of Managing Excess Materials and Waste
PV Modules	If there is no possibility for reuse, the panels will either be returned to the manufacturer for appropriate disposal or will be transported to a recycling facility where the glass, metal, and semiconductor materials will be separated and recycled.
Metal Racking	These materials will be disposed off-site at an approved facility.
Transformer components	The small amount of oil from the transformers will be removed on-site to reduce the potential for spills and will be transported to an approved facility for disposal. The substation transformer and step-up transformers in the inverter units will be transported off-site to be sent back to the manufacturer, recycled, reused, or safely disposed off-site in accordance with current standards and best practices.
Battery energy storage, inverters, batteries, fans, switchgear, and fixtures	The battery will be transported off-site and recycled at a certified facility that specializes in commercial batteries disposal. The metal components of the battery storage container, inverters, fans, and fixtures will be disposed of or recycled, where possible. Remaining components will be disposed of in accordance with the standards of the day.
Gravel (or other granular)	It is possible that the municipality may accept uncontaminated material without processing for use on local roads; however, for the purpose of this report it is assumed that the material will be removed from the project location by truck to a location where the aggregate can be processed for salvage. It will then be reused as fill for construction. It is not expected that any such material will be contaminated.
Geotextile Fabric	It is assumed that during excavation of the aggregate, a large portion of the geotextile will be “picked up” and sorted out at the aggregate reprocessing site. Geotextile fabric that is remaining or large pieces that can be readily removed from the excavated aggregate will be disposed of off-site at an approved disposal facility.
Concrete inverter/transformer foundations	Concrete foundations will be broken down and transported by certified and licensed contractor to a recycling or approved disposal facility.
Cables and Wiring	<p>The aboveground electrical line that connects the substation to the point of common coupling will be disconnected and disposed of at an approved facility. Support poles, if made of untreated wood, will be chipped for reuse. Associated electronic equipment (isolation switches, fuses, metering) will be transported off-site to be sent back to the manufacturer, recycled, reused, or safely disposed off-site in accordance with current standards and best practices.</p> <p>Underground conduits, conductors, and other facilities originally installed at less than 48” in depth will be removed and recycled or safely disposed of in accordance with current standards and best practices.</p>
Fencing	Fencing will be removed and recycled at a metal recycling facility.
Utility Poles	Customer-owned utility poles will be dismantled and transported to a licensed treated wood recycling facility to be assessed for reuse for operational use or for secondary use in construction projects.
Debris	Any remaining debris on the site will be separated into recyclables/residual wastes and will be transported from the site and managed as appropriate.



**Exhibit 2**  
**Preliminary Site Plan Drawings**

**Exhibit 3**

**Decommissioning Estimate and Bond Value**

This Decommissioning Estimate has been prepared by LaBella Associates D.P.C. in an attempt to predict the cost associated with removal of the proposed solar facility. The primary cost of decommissioning is the labor to dismantle and load as the cost of trucking and equipment. All material will be removed from the site, including any concrete foundations, which will be broken up at the site and hauled to the nearest transfer station.

**The following values were used in this Decommissioning Estimate**

**SYSTEM SPECIFICATIONS**

Number of Modules		11,076
Number of Racks		426
Number of Inverters		23
Number of Transformers		2
Number of Switchboards		2
Number of Batteries		0
Number of Trees		92
Electrical Wiring Length	ft	657
Number of Foundation Screws		1704
Length of Perimeter Fence	ft	4209
Number of Power Poles		5
Access Rd Material Volume	CY	797
Total Disturbed Area	AC	23.4
Length of Silt Fencing	LF	2329
Length of Wetland Fencing	LF	0
Length of Storm Piping	LF	0
Access Road Fill Material Volume	CY	80
Length of Tracker Motor Wire	LF	0

**LABOR AND EQUIPMENT COSTS**

Labor Rate	\$/hr	\$	28.00
Bobcat Cost	\$/hr	\$	85.00
Front End Loader Cost	\$/hr	\$	125.00
Excavator Cost	\$/Day	\$	1,000.00
Trucking Cost	\$/hr	\$	130.00
Backhoe Cost	\$/hr	\$	105.00
Power Pole Removal Cost	\$/pole	\$	1,500.00
Grader Cost	\$/Day	\$	1,800.00
Gravel Export Cost	\$/CY	\$	8.00
Loam Import Cost*	\$/CY	\$	-
Seeding Cost	\$/AC	\$	2,500.00
Fuel Cost	\$/mile	\$	0.65
Tree Removal Labor Rate	\$/Tree	\$	100.00
Tree Removal Equipment Cost	\$/Tree	\$	120.00
Silt/Wetland Fence Install Cost	\$/LF	\$	1.25
Silt/Wetland Fence Removal Cost	\$/LF	\$	1.25
SWPPP Report	LS	\$	2,500.00
Const. Support, Inspections, Permitting	LS	\$	3,000.00
Battery Removal Cost	LS/Bat	\$	-
Pipe Removal Cost	\$/LF	\$	5.00
Access Road Fill Removal Cost	\$/CY	\$	10.15

**EQUIPMENT & MATERIAL REMOVAL RATES**

Module Removal Rate	min/module	2
Rack Wiring Rem. Rate	min/module	0.6
Racking Dismantling Rate	min/rack	60
Inverter Removal Rate	units/hr	0.5
Transformer Removal Rate	units/hr	2
Switchboard Removal Rate	units/hr	1
Battery Removal Rate	units/hr	0
Rack Loading Rate	hr/rack	0.2
Elect. Wiring Removal Rate	hr/LF	0.05
Screw Rem. Rate	screws/hr	27
Fence Removal Rate	min/LF	0.025
Bridge Removal/Dismantle Rate	hr	0
Days req to remove skids		1
Days req. with Rough Grader		1
Days req. with Fine Grade		1
Total Truckloads to EWASTE		25
Total Truckloads to Victor Recycle Center		110
Total Truckloads for Scrap		17
Total Truckloads to Transfer Station		2
Round-Trip Dist. to Scrap Yard	mile	50
Round-Trip Time to Scrap Yard	hr	2
Round-Trip Dist. to Transfer Sta	mile	10
Round-Trip Time to Transfer Sta	hr	0.2
Round-Trip Dist. to Recycle Center	mile	10
Round-Trip Time to Recycle Center	hr	0.2
Cost/LB for Disposal to Recycle	\$/lb	0.04
Concrete Disposal to Recycle Center	Lump Sum	2000
Combined weight to Transfer Sta	lb	12638
Round-Trip Dist. to EWASTE+	mile	12
Round-Trip time to EWASTE+	hr	0.2
Panel Weight to EWASTE+	lb	842100
Combined weight to Scrap Yard	lb	449088
Value/lb for scrap metal**	\$/lb	0.05
Value/lb for tracker wire**	\$/lb	2.5
Weight of Tracker Motor Wire	lb	800
Tracker Wire Removal Rate	hr/LF	0.025

\*no loam on being imported, site is designed in a fill condition

\*\*Scrape values obtained from metallo on 10/6/23 and are subject to change



**LABOR, MATERIAL, AND EQUIPMENT COSTS**

**1. REMOVE MODULES**

The solar modules are fastened to racking with clamps. They slide in a track. A laborer needs on unclamp the module and reach over and slide the module out of the track.

*(Module Removal Rate x Total Number of Solar Modules x Labor Rate) = Module Removal Cost*

Total = \$ 10,337.60

**2. REMOVE RACK WIRING**

The modules are plugged together in the same manner as most electronics. The string wires are in a tray. A laborer only needs to unplug the module, reach into the array and remove the strands of wire.

*Wire Removal Rate x Total Number of Solar Modules x Labor Rate = Rack Wiring Removal Cost*

Total = \$ 3,101.28

**3. DISMANTLE RACKS**

The racking is supported by ground screw foundations. The racking will be disconnected from the foundation and removed separately.

*Number of Racks x Rack Dismantling Rate x Labor Rate = Rack Dismantling Cost*

Total = \$ 11,928.00

**4. REMOVE AND LOAD ELECTRICAL EQUIPMENT**

Inverters, transformers, and all other electrical equipment.

*((Number of Inverters x inverter Removal Rate)+(Number of Transformers x Transformer Removal Rate) + (Number of Switchboards x Switchboard Removal Rate) x (Labor Rate + Front End Loader))+(Number of Batteries x Battery Removal Cost) = Remove And Load Electrical Equipment Cost*

Total = \$ 2,677.50

**5. LOAD RACKS**

Once the racks have been dismantled, they will be loaded onto trucks for removal from the site. The cost for the trucking to a disposal facility is included in a later item in this estimate

*Number of Racks x Rack Loading Rate x (Labor Rate + Front End Loader Cost) = Total Rack Removal Cost*

Total = \$ 13,035.60

**6. REMOVE LOW VOLTAGE ELECTRICAL WIRING**

Electrical wiring will be removed from all underground conduits

*Cable Length x Cable Removal Rate x (Labor Cost + Backhoe Cost) = Total Cable Removal Cost*

Total = \$ 2,412.85

## LABOR, MATERIAL, AND EQUIPMENT COSTS

### 7. REMOVE FOUNDATION SCREWS

Foundation screws will be backed out of the ground and loaded onto a truck to be removed from the site.

$$\text{Number of Screws} \times \text{Screw Removal Rate} \times \text{Labor Rate} = \text{Screw Removal Cost}$$

Total = \$ 1,767.11

### 8. REMOVE FENCING

Fencing posts, fabric, and foundations will be loaded onto a truck and removed from the site. Trucking to a disposal facility included in a later line item.

$$(\text{Total Length of Fence} \times \text{Fence Removal Rate}) \times (\text{Labor Rate} + \text{Bobcat Cost} + \text{Trucking Cost}) = \text{Fence Removal Cost}$$

Total = \$ 198.17

### 9. REMOVE UTILITY POLES

Power poles will be removed and shipped off site.

$$\text{Number of Power Poles} \times \text{Pole Removal Cost} = \text{Total Power Pole Removal Cost}$$

Total = \$ 7,500.00

### 10. GRAVEL ROAD RECLAMATION

Reclamation of the gravel access road will entail removing the gravel material and exporting it off site. The area will then be backfilled with loam and graded.

$$((\text{Days with Rough Grader} + \text{Days with Fine Grader}) \times \text{Grader Cost per Day}) + (\text{Roadway Mmaterial Volume} \times (\text{Gravel Export Cost} + \text{Loam Import Cost}) + (\text{Imported Fill Export Cost} \times \text{Imported Fill Volume}) + (\text{Pipe Removal Cost} \times \text{LF of Storm Pipe})) = \text{Gravel Road Reclamation Cost}$$

Total = \$ 10,788.00

### 11. SEED DISTURBED AREAS

Seeding cost includes and materials for resseeding all disturbed areas including the reclaimed gravel road area, former electrical areas, and areas disturbed by racking foundation removal.

$$\text{Seeding Cost} \times \text{Disturbed Area} = \text{Total Seeding Cost}$$

Total = \$ 58,500.00

### 12. TRUCK TO SCRAP YARD

All metal material will be trucked to the nearest scrap yard that accepts metal material. These materials include the racking, fences, electrical wiring, the bridge steel, and ground screws. The value of the scrap will be deducted from this cost. The nearest scrap yard that accepts these materials is Metallico located at 1515 Scottsville Rd, Rochester, NY 14623.

$$(\text{Total Truckloads to Scrap} \times \text{Rountrip Distance} \times \text{Fuel Cost}) + (\text{Total Truckloads to Scrap} \times \text{Round Trip Time} \times \text{Trucking Cost}) - (\text{Weight of Scrap} \times \text{Value of Scrap}) = \text{Total Trucking Cost to Transfer Scrap}$$

Total = \$ (17,481.90)

### 13. TRUCK TO TRANSFER STATION

All construction material excluding the electrical components, metal, and gravel/fill will be trucked to the nearest transfer station that accepts that material. These materials include the utility poles, storm piping, and geoweb. The nearest transfer station that accepts this material is the Bristol Transfer Station located at 3901 County Road 2, Bloomfield, NY 14469. Victor Recycle Center also accepts this material.

$$(\text{Total Truckloads to Transfer Station} \times \text{Rountrip Distance} \times \text{Fuel Cost}) + (\text{Total Truckloads to Transfer Station} \times \text{Round Trip Time} \times \text{Trucking Cost}) + (\text{Weight} \times \text{Cost/lb}) = \text{Total Trucking Cost to Transfer Station}$$

Total = \$ 570.52

## LABOR, MATERIAL, AND EQUIPMENT COSTS

### 14 TRUCK TO VICTOR RECYCLE CENTER

Construction materials such as gravel, access road fill material, bridge concrete, and concrete pads shall be transported to the Victor Recycle Center located at 60 Rawson Rd, Victor, NY 14564. There is no fee for disposal of the fill material or the gravel, but there is a lump sum cost \$2,000 for the concrete material being

$$(Total\ Truckloads\ to\ Recycle\ Center\ x\ Rountrip\ Distance\ x\ Fuel\ Cost) + (Total\ Truckloads\ to\ Recycle\ Center\ x\ Round\ Trip\ Time\ x\ Trucking\ Cost) + (Lump\ Sum\ Concrete\ Removal\ Cost) = Total\ Truckng\ Cost\ to\ Victor\ Recycle\ Center$$

Total = \$ 5,575.00

### 15 TRUCK TO EWASTE+

All electrical materials including panels, transformers, inverters, combiner boxes, etc. shall be delivered to EWASTE+ located at 7318 Victor Mendon Rd, Victor, NY 14564. There is no fee for disposal, however there is a cost to deliver to EWASTE+, and EWASTE+ will not provide payment towards the valuable materials (such as copper) associated with the electronic waste that is delivered.

$$(Total\ Truckloads\ to\ EWASTE+\ x\ Rountrip\ Distance\ x\ Fuel\ Cost) + (Total\ Truckloads\ to\ EWASTE+\ x\ Round\ Trip\ Time\ x\ Trucking\ Cost) = Total\ Truckng\ Cost\ to\ EWASTE+$$

Total = \$ 3,055.00

### 16 TREE REMOVAL

Removal of screening plants including tree, stump, and reclamation of the soil impacted.

$$Total\ Number\ of\ Trees\ x\ (Labor\ Rate\ +\ Equipment\ Rate) = Tree\ Removal\ Cost$$

Total = \$ 20,240.00

### 17 EROSION AND SEDIMENT CONTROL

Installation and remove of silt fencing and wetland protection fencing

$$(Length\ of\ Silt\ Fence\ x\ Fence\ Installation\ Rate) + (Length\ of\ Silt\ Fence\ x\ Fence\ Removal\ Rate) + (Length\ of\ Wetland\ Fence\ x\ Fence\ Installation\ Rate) + (Length\ of\ Wetland\ Fence\ x\ Fence\ Removal\ Rate) + (SWPPP\ Report) = Erosion\ and\ Sediment\ Control\ Cost$$

Total = \$ 8,322.50

### 19 MISCELANEOUS ITEMS

Fee for permitting, inspections, etc

$$(Constrruction\ Support,\ permitting,\ inspections) = Misc\ Cost$$

Total = \$ 3,000.00



300 State Street, Suite 201 • Rochester, NY 14614  
 Phone 585.454.6110 • Fax 585.454.3066  
 www.labellapc.com

PROJECT	Abundant Solar Power (USNY-6882 Rice Road-001) LLC			
PROJECT NO.	2241336	SHEET	5	OF 6
SUBJECT	Decommissioning Estimate			
	CALC. BY	MDP	DATE	5/13/2024
	CKD. BY		DATE	

**LABOR, MATERIAL, AND EQUIPMENT COSTS**

**20 REMOVE AND DISPOSE OF TRACKING MOTOR WIRING**

Contractor to remove and dispose of the wiring used to power the tracking module tables. Wire then to be sent and salvaged at Metallico located at 71515 Scottsville Rd, Rochester, NY 14623. Wire will be added to trucks already accounted for in line item #12

$$((\text{Tracker Wire Length} \times \text{Tracker Wire Removal Rate}) \times (\text{Labor Cost} + \text{Backhoe Cost})) - (\text{Weight of Tracker Wire} * \text{Salvage Cost for Tracker Wire}) = \text{Tracker Wire Removal Cost}$$

Total = \$ 940.00



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PROJECT NO.	2241336	SHEET	6 OF 6
SUBJECT	Decommissioning Estimate		
CALC. BY	MDP	DATE	5/13/2024
CKD. BY		DATE	

**SUMMARY OF DECOMMISSIONING COSTS**

The costs below are the current estimated costs to decommission a 4.482 Mwac Solar Facility, based on guidance from NYSERDA and estimates from the New York solar market. The salvage values of valuable recyclable materials (aluminum, steel, copper, ect) are not factored into the below costs below. The scrap value is considered below, but will be determined on current market rates at the time of salvage.

LINE ITEM	TASK		COST
1	Remove Modules	\$	10,337.60
2	Rack Wiring Removal	\$	3,101.28
3	Rack Dismantling	\$	11,928.00
4	Electrical Equipment Loading and Removal	\$	2,677.50
5	Load Racks	\$	13,035.60
6	Electrical Wiring Removal	\$	2,412.85
7	Foundation Screw Removal	\$	1,767.11
8	Fence Removal	\$	198.17
9	Power Pole Removal	\$	7,500.00
10	Gravel Road Reclamation*	\$	10,788.00
11	Seed Disturbed Areas	\$	58,500.00
12	Salvage to Scrap Yard	\$	(17,481.90)
13	Trucking to Transfer Station	\$	570.52
14	Trucking to Victor Recycle Center	\$	5,575.00
15	Trucking to EWASTE+	\$	3,055.00
16	Tree Removal*	\$	20,240.00
17	Erosion and Sediment Control	\$	8,322.50
19	Misc. Items	\$	3,000.00
20	Remove and Dispose of Tracking Wire	\$	940.00
		Subtotal = \$	146,467.23
		8% Inspection & Permitting Contingency = \$	11,717.38
		2% Legal Contingency = \$	2,929.34
		Total = \$	161,113.96
		<b>Rounded Total = \$</b>	<b>162,000.00</b>

\* Refer to 'Summary of Decommissioning Fund' for contingency.