LaBella
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300 State Street, Suite 201 • Rochester, NY 14614
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PROJECT	Abundant Solar Power Inc (SUNN 1020 LLC)				
PROJECT NO.	2263503	SHEET	1	OF	5
SUBJECT	Decommissioning Estimate				
	CALC. BY	LSN	DATE	6/16/2026	
	CKD. BY	CJR	DATE	7/7/2026	

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		7,280
Number of Racks		380
Number of Inverters		20
Number of Transformers		2
Number of Switchboards		1
Number of Batteries		0
Number of Trees		0
Electrical Wiring Length	ft	494
Number of Foundation Screws		1520
Length of Perimeter Fence	ft	2795
Number of Power Poles		3
Access Rd Material Volume	CY	237
Total Disturbed Area	AC	13.7
Length of Wetland Fencing	LF	0
Length of Storm Piping	LF	0
Access Road Fill Material Volume	CY	20

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	$	3,500.00
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	1
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	2
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 Modern Landfill		15
Total Truckloads to Recycle Center		65
Total Truckloads for Scrap		10
Total Truckloads to Transfer Station		2
Round-Trip Dist. to Scrap Yard	mile	20
Round-Trip Time to Scrap Yard	hr	0.683
Round-Trip Dist. to Transfer Sta	mile	35
Round-Trip Time to Transfer Sta	hr	0.767
Round-Trip Dist. to Recycle Center	mile	35
Round-Trip Time to Recycle Center	hr	0.767
Cost/LB for Disposal to Recycle	$/lb	0.04
Concrete Disposal to Recycle Center	Lump Sum	2000
Combined weight to Transfer Sta	lb	10110
Round-Trip Dist. to Modern Landfill	mile	35
Round-Trip time to Modern Landfill	hr	1
Panel Weight to Modern Landfill	lb	457184
Combined weight to Scrap Yard	lb	243831
Value/lb for scrap metal**	$/lb	0.05
Value/lb for tracker wire**	$/lb	2.5

*Undetermined quantity

**Scrape values obtained are subject to change

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PROJECT NO.	2263503	SHEET	2	OF	5
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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 = $ 6,794.67

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 = $ 2,038.40

3. DISMANTLE RACKS

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

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

Total = $ 10,640.00

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 = $ 3,825.00

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 = $ 11,628.00

6. REMOVE LOW VOLTAGE ELECTRICAL WIRING

Electrical wiring will be removed from all underground conduits

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

Total = $ 2,404.70

LABOR, MATERIAL, AND EQUIPMENT COSTS

7. REMOVE FOUNDATION SCREWS

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

Number of Screws x Screw Removal Rate x Labor Rate = Screw Removal Cost

Total = $ 1,576.30

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.

*(Total Length of Fence * Fence Removal Rate) *(Labor Rate + Bobcat Cost + Trucking Cost) = Fence Removal Cost*

Total = $ 10,527.83

9. REMOVE UTILITY POLES

Power poles will be removed and shipped off site.

Numbeer of Power Poles x Pole Removal Cost = Total Power Pole Removal Cost

Total = $ 4,500.00

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.

*((Days with Rough Grader + Days with Fine Grader) x Grader Cost per Day) + (Roadway Mmaterial Volume * (Gravel Export Cost + Loam Import Cost) + (Imported Fill Export Cost * Imported Fill Volume) + (Pipe Removal Cost * LF of Storm Pipe))= Gravel Road Reclamation Cost*

Total = $ 5,699.00

11. SEED DISTURBED AREAS

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

Seeding Cost x Disturbed Area = Total Seeding Cost

Total = $ 34,125.00

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, and ground screws. The value of the scrap will be dedicuted from this cost. The nearest scrap yard that accepts these materials is Sahd Metal Recycling, located at 1045 Lancaster Ave, Columbia, PA 17512.

*(Total Truckloads to Scrap x Rountrip Distance x Fuel Cost) + (Total Truckloads to Scrap x Round Trip Time * Trucking Cost) - (Weight of Scrap * Value of Scrap) = Total Truckng Cost to Transfer Scrap*

Total = $ (11,173.65)

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 transfer station that accepts this material is the Lancaster County Solid Waste Management Authority's Transfer Station Complex located at 1299 Harrisburg Pike, Lancaster, PA 17603. Frey Farm Landfill also accepts this material.

*(Total Truckloads to Transfer Station x Rountrip Distance x Fuel Cost) + (Total Truckloads to Transfer Station x Round Trip Time * Trucking Cost) + (Weight * Cost/lb) = Total Truckng Cost to Transfer Station*

Total = $ 649.32

LABOR, MATERIAL, AND EQUIPMENT COSTS

14 TRUCK TO RECYCLE CENTER

Construction materials such as gravel, access road fill material, and concrete pads shall be transported to the Lancaster County Solid Waste Management Authority's Transfer Station Complex located at 1299 Harrisburg Pike, Lancaster, PA 17603. 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 disposed.

(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 = $ 9,959.90

15 TRUCK TO ELECTRONIC WASTE CENTER

All electrical materials including panels, transformers, inverters, combiner boxes, etc. shall be delivered to Modern Landfill located at 4400 Mt Pisgah Rd, Yorkana, PA 17406. There is no fee for disposal, however there is a cost to deliver to Modern Landfill, and Modern Landfill will not provide payment towards the valuable materials (such as copper) associated with the electronic waste that is delivered.

(Total Truckloads to Modern Landfill x Rountrip Distance x Fuel Cost) + (Total Truckloads to Modern Landfill x Round Trip Time x Trucking Cost) = Total Truckng Cost to Modern Landfill

Total = $ 8,791.25

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 = $ -

17 MISCELANEOUS ITEMS

Fee for permitting, inspections, etc

(Constrruction Support, permitting, inspections) = Misc Cost

Total = $ 3,500.00

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SUMMARY OF DECOMMISSIONING COSTS

The costs below are the current estimated costs to decommission a 5.0 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 slavage.

LINE ITEM	TASK		COST
1	Remove Modules	$	6,794.67
2	Rack Wiring Removal	$	2,038.40
3	Rack Dismantling	$	10,640.00
4	Electrical Equipment Loading and Removal	$	3,825.00
5	Load Racks	$	11,628.00
6	Electrical Wiring Removal	$	2,404.70
7	Foundation Screw Removal	$	1,576.30
8	Fence Removal	$	10,527.83
9	Power Pole Removal	$	4,500.00
10	Gravel Road Reclamation*	$	5,699.00
11	Seed Disturbed Areas	$	34,125.00
12	Salvage to Scrap Yard	$	(11,173.65)
13	Trucking to Transfer Station	$	649.32
14	Trucking to Victor Recycle Center	$	9,959.90
15	Trucking to EWASTE+	$	8,791.25
16	Tree Removal*	$	-
19	Misc. Items	$	3,500.00
	Subtotal =	$	105,485.72
	8% Inspection & Permitting Contingency =	$	8,438.86
	2% Legal Contingency =	$	2,109.71
	Total =	$	116,034.29
	Rounded Total =	**$**	**117,000.00**

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

SUMMARY OF DECOMMISSIONING FUND

A decommissioning fund to guarantee that monies are available to perform the facility decommissioning will be created. The funds will be established as a bond, and will remain available to the Municipality to perform the decommissioning if needed. At the start of construction a bond will be established in the total amount of the project's 30-year maturity with a 2.5% inflation rate. The landowner may choose to keep the trees or road following the decommissioning of the site with the written approval from the Town. The bond shall be in place for the full life of the project (30 years).

YEAR	BOND VALUE	
1	$	117,000
2	$	119,925
3	$	122,923
4	$	125,996
5	$	129,146
6	$	132,375
7	$	135,684
8	$	139,076
9	$	142,553
10	$	146,117
11	$	149,770
12	$	153,514
13	$	157,352
14	$	161,286
15	$	165,318
16	$	169,451
17	$	173,687
18	$	178,029
19	$	182,480

YEAR	BOND VALUE	
20	$	187,042
21	$	191,718
22	$	196,511
23	$	201,424
24	$	206,459
25	$	211,621
26	$	216,911
27	$	222,334
28	$	227,893
29	$	233,590
30	$	239,430