

Decommissioning Estimate November 2021
 5-MWac nameplate capacity solar facility in upstate New York
 8.3-MWdc solar array and
 9.5-MWh battery storage
 33 acres inside the fence
 Solar Panels: Bifacial 380 - 420 watt panels 80" x 40" x 1.6"
 Battery Storage: Two 53' in length containers of lithium-ion batteries

Estimated Decommissioning Cost				
	Type	Quantity	Cost Per Item	Total
Fence Removal with Gate (fence cost divided between sites)	LF	4,150	\$4.50	\$18,675.00
Remove Transformers & Concrete Pads	Each	2	\$5,000.00	\$10,000.00
Remove Major Switch Gear & Concrete Pad	Each	1	\$5,000.00	\$5,000.00
Remove Modules and Racking	\$/MWac	5	\$9,000.00	\$45,000.00
Removal of Posts	Each	1,501	\$20.00	\$30,020.00
Remove & Dispose of Central Inverter	Each	2	\$7,500.00	\$15,000.00
Storage Decommissioning and Recycling Cost - per [redacted] estimate	N/A	N/A	N/A	\$177,049.50
Removal of Underground Wires and Conduits and Backfill	LF	2,400	\$10.00	\$24,000.00
Site Restoration, Grade and Seed	Acre	10	\$900.00	\$9,000.00
Removal of Gravel Access Road (road cost divided between sites)	Cubic Yards	825	\$25.00	\$20,612.50
Current Total				\$354,357.00
Revised Total based on [redacted] requested escalation				\$372,296.32
Total after 25 years of inflation (2.5% inflation rate)				\$656,958.07
Detailed Salvage Value				
	Solar Panels	21,728	\$6.60	\$143,404.80
	Racking Steel (lbs.)	584,050	\$0.05	\$29,202.50
	Racking Aluminum (lbs.)	880,000	\$0.15	\$132,000.00
	Project Cabling (lbs.)	37,966	\$0.73	\$27,714.82
Total Salvage Value				\$332,322.12
Proposed decommissioning fund				\$372,296.32

How many posts?
 Height of fence?
 What type of fence?

Post Length x Width x Height

Road Length x Width x Height
 How many tons of rock

Pad Length x Width x Height

Panel Length x Width x Height and
 How many watts should be provided

How many linear feet of AC cables? DC cables?
 Is there conduit to be removed?
 At what depth is cabling left in the ground?
 Does this match the "2,400 LF" stated above in line 10?

Battery details should be provided.
 Specification sheet should be provided.
 Recycling costs are unknown.
 Cost of disposal should be provided.

Linear Feet of wire?
 Linear feet of trench?
 Does this include length to interconnection point?

Salvage value is unknown.
 It should not be included in the decommissioning estimate.

- Additional considerations for decommissioning plan:
- Spare part storage containers
 - Control Gear
 - Generators
 - HVAC for the battery storage containers
 - DC - DC Converters
 - Internet connections
 - Lightening Posts
 - Disconnection from the grid/substation
 - Utility Power Poles
 - Stormwater Measures- sock fence, retention ponds, grading, tilling
 - Rental of equipment
 - Rental of portipotties
 - Salary for employees
 - Legal Fees
 - Cost of insurance
 - Transportation local landfill
 - Transportation to nearest recycling facility