

Decommissioning Plan

New Road Solar 1, LLC has prepared this Decommissioning Plan (Plan) for its proposed solar photovoltaic facility (Facility) to be constructed on private property located 850 New Road, Amherst NY 14228. The Plan describes the process for decommissioning the Facility in accordance with state requirements and the Town of Amherst local laws. Decommissioning of the facility will be triggered at either the termination of the lease with the landowner or if the facility ceases to perform its originally intended function for more than 12 consecutive months. During decommissioning, New Road Solar 1, LLC shall remove the collectors, plates, piping, mounts and associated equipment and facilities by no later than 150 days after the end of the twelve-month period.

Facility Description

The Facility will consist of a 5,000 kilowatt (AC) capacity solar power-generating array secured within a 7ft fence, surrounding the solar panels and equipment, accessed through a locked gate located inside the property. The Facility will include the following site features:

- PV Modules, inverter(s), and transformer (filled with biodegradable mineral oil)
- Combiner boxes and switchgear
- Concrete pad(s)
- Screw or driven piles and racking to support the PV modules
- DC and AC wiring
- Aboveground wooden utility poles and overhead wires
- A gravel access drive
- Exterior 7-foot security fencing
- A metal security gate at the entrance to the array area

Decommissioning Plan

The Facility will be decommissioned by completing the following major steps: Dismantlement, Demolition, and Disposal or Recycle; and Site Stabilization, as further described below.

Dismantlement, Demolition, and Disposal or Recycle

A significant portion of the components that comprise the Facility will include recyclable or re-saleable components, including copper, aluminum, galvanized steel, and modules. Due to their re-sale monetary value, these components will be dismantled, disassembled, and recycled rather than being demolished and disposed of.

Following coordination with National Grid regarding timing and required procedures for disconnecting the Facility from the utility distribution network, all electrical connections to the system will be disconnected, and all connections will be tested locally to confirm that no electric current is running through them before proceeding. All electrical connections to the PV modules will be severed at each module, and the modules will then be removed from their framework by cutting or dismantling the connections to the supports. Modules will be removed and sold to a purchaser or recycler. In the event of a total fracture of any modules, the interior materials are silicon-based and are not hazardous. Disposal of these materials at a landfill will be permissible.

The PV mounting system framework will be dismantled and recycled. The metal piles will be removed from their approximated depth of four feet and recycled. All other associated structures will be demolished and removed from the site for recycling or disposal. This will include the site fence and gates, which will likely be reclaimed or recycled. Removal will also include all wire, bolts, and other metal objects.

Grade slabs will be broken and removed to a depth of two foot below grade, and clean concrete will be crushed and disposed of off-site or recycled (reused either on- or off-site). The portion of the gravel access road created specifically for the project, namely that portion within the perimeter fence surrounding the PV modules, will be removed as well.

Aboveground utility poles owned by New Road Solar 1, LLC will be completely removed and disposed of off-site in accordance with utility best practices. Any overhead wires will be removed from the Facility and will terminate at the utility-owned (National Grid) connections inside the property. The access road will remain in place and National Grid will be responsible for dismantling those overhead wires and poles under its ownership. Coordination with National Grid personnel will be conducted to facilitate National Grid removal of any poles and overhead wires located on the site.

A final site walkthrough will be conducted to remove debris and/or trash generated during the decommissioning process and will include removal and proper disposal of any debris that may have been wind-blown to areas outside the immediate footprint of the facility being removed.

Site Stabilization

The areas of the Facility that are disturbed during decommissioning will be re-graded to establish a uniform slope and stabilized via hydroseeding with a ground treatment approved by the Building Inspector.

Permitting Requirements

Given the size and location of the Facility, several approvals will be obtained prior to initiation of the decommissioning process. Table 1 provides a summary of the expected approvals if the decommissioning were to take place in January 2023. Noting that the decommissioning is expected to occur at a much later date, the permitting requirements listed in the table below will be reviewed at that time and updated based on then current local, state, and federal regulations.

Table 1. Current Permitting Requirements for Decommissioning

Permit	Agency	Threshold/Trigger
State Pollutant Discharge Elimination System (SPDES) General Permit for Discharges from Construction Activity	New York State Department of Environmental Conservation (NYSDEC)	Ground disturbance of greater than 1 acre with discharge to wetlands or water bodies. Requires preparation of a Stormwater Pollution Prevention Plan, including erosion and sedimentation controls.
Building Permit	Town of Amherst	A building permit must be obtained for any construction, alteration, repair, demolition, or change to the use or occupancy of a building.

The decommissioning process is estimated to take approximately six to eight (6-8) weeks and is intended to occur outside of the winter season.

New Road Solar 1, LLC

DECOMMISSIONING SURETY PLAN

Consistent with the approach in other communities, New Road Solar 1, LLC offers to provide a decommissioning surety bond, to be posted prior at the commercial operation date, in the amount of \$305,000, for decommissioning of the solar system in the unlikely event that the company is unable to meet its contractual obligations for solar project removal and restoration.

The decommissioning bond, of which New Road Solar 1, LLC will serve as the principal and the Town of Amherst shall serve as the as the obligee, shall have a one-year term, starting at the commercial operation date, and be renewed every year for the life of the system. The Town shall have the right to draw on this bond should it be made aware that the system has not produced energy and conveyed it to the electric grid for any 12 consecutive months or failed to comply with the conditions of the approval.



In developing the decommissioning surety bond, the company utilized recent decommissioning costs estimates from similar Community Solar projects to propose a \$61,000 /MWac cost. The estimation leading to this rate is attached to this proposal as Exhibit A. The Future Value Grand Total is based on a 2% inflation rate. New Road Solar 1, LLC agrees that a resubmission of this proposal, with revised and updated costs, shall be submitted prior to issuance of building permit.

This bond will be reviewed every year until which time the company’s decommissioning obligations have been fulfilled. Within 90 days of bond renewal, New Road Solar 1, LLC agrees to submit revised cost estimates to the Town and the bond company. Posted bonds will reflect this estimate for the following year, until which time the costs of removal are reassessed.

The bond’s start date shall be the first month following the commercial operation date of the facility. Renewals will be conducted on an annual basis, one year from the bond’s date of issuance.

Below is a summary of the analysis:

Project Size (MW)	5
Decommissioning	\$305,000
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Total	\$305,000

New Road Solar 1, LLC agrees that if the surety is not renewed or canceled it will forfeit its Certificate of Occupancy and right to continue to operate until a replacement surety has been posted.

<p>TOWN OF Amherst, NY</p> <p>Authorized Signature:</p> <p>_____</p> <p>Name: _____</p> <p>Title: Supervisor</p>	<p>New Road Solar 1, LLC</p> <p>Authorized Signature:</p> <p>_____</p> <p>Name: _____</p> <p>Title: _____</p>
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EXHIBIT A – Decommissioning Estimate & Certification

New Road Solar 1, LLC Decommissioning Estimate

Task	Cost
Modules Removal Cost	\$ 3,042.60
Wiring Removal Cost	\$ 1,521.30
Rack Dismantling Cost	\$ 4,680.93
Tracker Racking Dismantling Cost	\$ 3,995.98
Electrical Equipment Removal Cost	\$ 23,490.25
Break Up Concrete Pad Cost	\$ 1,102.04
Load Racks Cost	\$ 19,425.17
Load Tracker Racking Cost	\$ 16,582.71
Remove Cable Cost	\$ 3,731.59
Remove Screws	\$ 4,881.38
Remove Tracker Piles	\$ 18,945.65
Remove Power Poles	\$ 4,500.00
Remove Fence	\$ 35,065.99
Seed Disturbed Areas	\$ 9,951.76
Trucking to Transfer Station	\$ 2,754.25
Gravel Road Reclamation	\$ 54,948.56
TOTAL	\$ 179,632.69
Future Value Grand Total	\$ 304,296.19

