

Norman E. Dupuis, P.E.  
41 Millbrook Rd, Nantucket, MA 02554  
Registration No: ME 40921

RE: Removal Cost Estimate

4 Oct 2017

For a Proposed 2.7 MW (DC) Solar Farm,  
CEC Solar Development, LLC (Chester B)  
Located at 215 Black Meadow Road, Chester, NY 10918

To Whom It May Concern:

I have been requested by the management of the Clean Energy Collective, Inc, 146 West Boylston Drive, Worcester, MA 01606, to estimate, at today's dollar rates, the overall future cost of removing the proposed 2.7 MW (DC) Solar Farm that the Clean Energy Collective is proposing to install on a site at 215 Black Meadow Road, Chester, NY.

My qualifications for making such an estimate include eleven years of experience in the Solar Power Industry, beginning as a Project Manager in 2006, continuing as Regional Operations Manager, and, presently, as an Independent Solar Consultant. I have been a registered Professional Engineer (Mechanical) in California since 1975, and in Massachusetts since 1998.

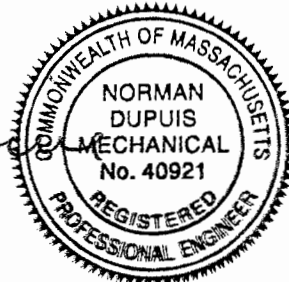
I have reviewed the Solar Farm design and the equipment to be provided by the Clean Energy Collective (CEC), and worked with CEC personnel to develop a coordinated plan for removing the Solar Farm at the end of its effective life, when its use will be discontinued, expected to be approximately 20-25 years after installation. This "Decommissioning Plan" is attached hereto.

Our estimate for removing the Solar Farm following the attached Plan in 2017 dollars, is \$62,000. Tasks to be carried out are listed in the Plan.

Sincerely,



Norman E. Dupuis, P.E.



Attachment: DECOMMISSIONING PLAN FOR CEC Solar Development, LLC,  
located at 215 Black Meadow Road, Chester, NY

## DECOMMISSIONING PLAN FOR CEC Development, LLC

### "CHESTER B"

Located at 215 Black Meadow Road, Chester, NY 10918

Use of the Solar Farm will be discontinued at the end of its effective life, expected to be approximately 20-25 years after installation. At that time the Owner, CEC Development, LLC, will physically remove the Solar Farm from the site. "Physically remove" will include, but not be limited to:

- a) Removal of the Solar Collection Panel frames, supporting structures, foundations, electrical equipment and connections, CEC-installed utility poles and overhead wiring, all other equipment, equipment shelters and vaults, security barriers and all appurtenant structures from the Solar Farm site,
- b) Proper disposal of all solid or hazardous materials and wastes from the site in accordance with local and State solid waste disposal regulations,
- c) Restoration of the location of the Solar Farm site to its natural condition, except that any landscaping consistent with the character of the site and neighborhood, the gravel access drive, and the detention basins may remain.

We estimate the work will take 4-6 weeks to complete. Inverters, Transformers and Switchgear will be removed from their concrete pads. The electrical equipment will be sold back to the manufacturer or to a recycling facility. The project contains copper, aluminum and other metals that will be recycled. Racking materials and fencing will be pulled from the ground and folded for transport. The Owner will be responsible for all decommissioning costs and will obtain all permits or approvals required by the Town prior to commencing decommissioning work. The estimated cost of decommissioning the project is \$62,000.00 (2017 dollars, see table below).

Removal Cost Estimate				
Item	Quantity	Rate/ea.	Days	Amount
Laborers	6	\$200	25	\$30,000
Heavy Equipment + Operator	2	\$1,000	15	\$30,000
Debris Container/Disposal	20	\$850		\$17,000
Material Salvage Value (incl hauling)	1			(\$20,000)
Site Repair (grade/seed)	1			\$5,000
<b>Total</b>				<b>\$62,000</b>

In order to meet the bonding/security requirements of the pending Introductory Local Law No. \_\_\_\_ of 2017 regulating solar energy systems and equipment, ARTICLE IX, Section 98-40 F (3)(b), the Owner proposes to place 125% of the Removal Cost Estimate (\$77,500) into an Escrow Account for the benefit

of the Town. The Owner will review and adjust the Removal Cost Estimate at 5-year intervals in order to address inflation. Upon completion of removal and restoration work in accordance with this Plan, any funds not needed for said work will be returned to CEC.

Decommissioning Plan Date: 4 Oct 2017