

26 May 2017

## **OCCF Community Solar Array**

### **Town of Chester**

### **Decommissioning Plan**

Reference: Decommissioning Solar Panel Systems Fact Sheet, NYSERDA, 9/16

A time and materials estimate for the decommissioning of the OCCF Community Solar Array was prepared and cross-checked with estimates provided in the NYSERDA Fact Sheet.

Hudson Solar time and materials estimate	\$14,000
Estimate derived from NYSERDA	\$16,179
Hudson Solar estimate adjusted to Prevailing Wage	\$30,200
Revenue from scrap sales	\$31,292

NYSERDA advises that “Some materials from solar installations may be recycled, reused, or even sold resulting in no (decommissioning) costs or compensation.” Current estimates of the net scrap metal sales value of the system are \$31,292, approximately offsetting the decommissioning costs at prevailing wage rates. At market labor rates, revenue from scrap sales are estimated to be about twice the decommissioning costs.

Decommissioning process steps and costs and scrap values are detailed in the attached table.

<u>Decommissioning Task</u>	<u>Cost at Prevailing Wage</u>
Utility Disconnect and Disable	\$ 336
Remove rack wiring	672
Remove solar modules	4,032
Dismantle racking	4,032
Remove electrical equipment	1,344
Remove transformer pad	672
Remove racking material	2,688
Remove buried wire	1,344
Remove mounting posts	4,032
Remove fence and posts	4,032
Grade and fill holes	2,016
Fill and seed material	1,000
Rental equipment and trucking	4,000
<b>Total Decommissioning Cost</b>	<b>\$ 30,200</b>

  

<u>Scrap Item</u>	<u>Value</u>
Module aluminum frames	\$ 5,400
Transformer	7,000
Racking material steel	14,000
Racking post steel	3,385
Copper wire # 8 back of racks	1,029
Copper wire # 6 from inverters	282
Copper wire # 4 from inverters	-
Copper wire # 2 from inverters	32
Copper wire # 6 grounding	400
Aluminum MV cable # 2 Al	69
Fence wire steel	495
Recycling center and scrap fees	(800)
<b>Total Scrap Value</b>	<b>\$ 31,292</b>

  

<b>Net Decommissioning Cost</b>	<b>\$ (1,092)</b>
---------------------------------	-------------------