



Sonne Two Solar Farm Decommissioning Plan

May 15, 2015

As required by Catawba County Ordinance No. 2013-16, the following Decommissioning Plan is submitted in support of the Rezoning Application.

- Per the lease agreement with landowner, decommissioning shall occur at the end of the land lease and shall be the full responsibility of the lessee, Sonne Two LLC.
 - Decommissioning will be initiated following any continuous 6 month period during which no electricity is generated.
- Per the lease agreement with the landowner, the land shall be fully restored to its pre-solar farm condition.
 - All above and below ground non-utility owned equipment, conduit, structures, fencing, roads and foundations shall be removed.
- Decommissioning of the solar farm will be completed within 6 months of a decommissioning initiating event.
- The anticipated lifespan of the solar farm is 50 years.
- According to the attached North Carolina licensed engineer certified cost estimate, the salvage value of the project will far outweigh the decommissioning costs. It is expected that the decommissioning project will be bid out to salvage professionals as a profit making enterprise, managed by Sonne Two, LLC.
 - The projected site restoration cost is \$32,000 (current US dollars).
 - The projected site demo cost is \$670,860 (current US dollars).
 - The projected salvage value is \$1,126,242.30 (current US dollars).
 - The projected total net decommissioning cost is -\$423,382.30 (current US dollars).
- Prior to issuance of a Zoning Compliance Certificate, Sonne Two LLC will provide Catawba County with a \$50,000 performance guarantee to be held in full force and effect until the solar farm is decommissioned and site restoration is completed.

By: _____

Brian Bednar
Sonne Two LLC, Manager
Birdseye Manager LLC, President

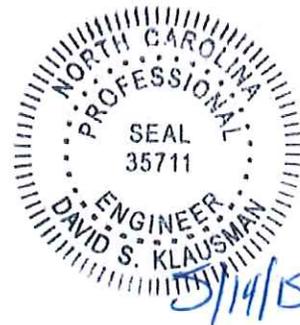
Estimate of Probable Cost **Sonne Two Solar, LLC** **Site Decommissioning**

	Item	Total
Demo Cost		\$670,860.00
Site Restoration Cost		\$32,000.00
Salvage Value		\$1,126,242.30
Total Net Cost		-\$423,382.30

Summary: The recycling value of the raw materials for the solar array will exceed the removal costs and provide a net gain of approx. \$432,195



David S. Klausman, PE



Estimate of probable cost is based on historical values, comparison to other similar projects & publically available data. It is not reflective of a bid value nor it is an actual quote for work. It is an estimation of probable cost for the project scope.

Sonne Two Solar, LLC
 Decommissioning Estimate of Probable Cost

Demo

Item No.	Item	Unit	Estimated Quantity	Unit Price	Total
1	Fence Removal	lf	5,400	\$13.00	\$70,200.00
2	Racking frames	ea	720	\$500.00	\$360,000.00
3	Racking Posts (4/rack)	ea	2,880	\$6.50	\$18,720.00
4	Solar Panels	ea	27,360	\$4.00	\$109,440.00
5	Inverters	ea	6	\$1,500.00	\$9,000.00
6	Transformers	ea	6	\$1,200.00	\$7,200.00
7	Wire (Copper)	lb	9,000	\$0.50	\$4,500.00
8	Wire (Aluminum)	lb	18,000	\$0.50	\$9,000.00
9	Concrete Removal	sf	3,800	\$6.00	\$22,800.00
10	Gravel Paving	sf	30,000	\$2.00	\$60,000.00
				Total Demo	\$670,860.00

Sonne Two Solar, LLC
 Decommissioning Estimate of Probable Cost

Salvage Value

Item No.	Item	Qty	Weight	Unit	Estimated Quantity	Unit Price	Total
1	Steel Racking Posts @ 60lbs ea	2,880	60	lb	172,800	\$0.17	\$29,376.00
2	Aluminum Racking @ 19.5 M each	720	1224	lb	881,280	\$0.82	\$722,649.60
3	Fencing	1	43,578	lb	43,578	\$0.15	\$6,536.70
4	Solar Panels	27,360		ea	27,360	\$13.00	\$355,680.00
5	Inverters	6		ea	6	\$1,200.00	\$7,200.00
6	Transformers	6		ea	6	\$800.00	\$4,800.00
						Value	\$1,126,242.30

Fencing

Fabric Weight	5,400	2.8	lbs/ft	15,120	0.15	\$2,268.00
Top Rail	5,400	2.27	lbs/ft	12,258	0.15	\$1,838.70
Line Posts	540	30	lbs	16,200	0.15	\$2,430.00
				43,578	Total	\$6,536.70

Sonne Two Solar, LLC
Decommissioning Estimate of Probable Cost

Landscape

Item No.	Item	Unit	Estimated Quantity	Unit Price	Total
1	Site Restoration	Ac	32	\$1,000.00	\$32,000.00
				Landscaping Cost	\$32,000.00

363.600 USD / MT 0
2015 APRIL 14

STEEL SCRAP
Steel Casting

Subscribe to get live scrap prices

SCRAP METALS

Aluminum Scrap
Brass Scrap
Copper Scrap
Electronic Scrap
Hallmarked Gold Scrap
Nickel & Alloy Scrap
Non Hallmarked Gold Scrap
Other Scrap
Plastic Resin
Plastic Scrap
Stainless Steel Scrap
Steel Scrap

Graph shown below is one-month old. Get historical graphs now!



0.828 USD / LB 0
2015 APRIL 14

ALUMINUM SCRAP
6061 Alum Extrusion

Subscribe to get live scrap prices

SCRAP METALS

Aluminum Scrap
Brass Scrap
Copper Scrap
Electronic Scrap
Hallmarked Gold Scrap
Nickel & Alloy Scrap
Non Hallmarked Gold Scrap
Other Scrap
Plastic Resin
Plastic Scrap
Stainless Steel Scrap
Steel Scrap

Graph shown below is one-month old. Get historical graphs now!

