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June 3, 2015

Jeannine McCrumb, Zoning Administrator
Planning and Zoning Office
Town of Charlotte
P.O. Box 119
Charlotte, Vermont 05445

Re: **45-Day Notice to Persons and Entities Entitled to Notice Pursuant to Public Service Board Rule 5.110(C), for the Charlotte Ferry Road Solar LLC 500 kW Group Net Metered Solar Array to be located on Ferry Road in the Town of Charlotte, Vermont.**

Dear Ms. McCrumb,

I. Introduction and Background

Charlotte Ferry Road Solar LLC ("Applicant") is pleased to provide you with this 45-Day notice in advance of filing a Petition for a Certificate of Public Good ("CPG") with the Vermont Public Service Board ("Board" or "PSB"), by the Applicant for an approximate 500 kW ground mounted solar array (the "Project") to be located at 735 Ferry Road in the Town of Charlotte, Vermont (the "Site"). This notice is provided in accordance with 30 V.S.A. § 219a, Vermont Statutes Annotated ("Section 219a") and Vermont Public Service Board Rule 5.100.

Pursuant to PSB Rule 5.110(C), the following letter includes information sufficient to understand the overall Project and its impacts and benefits, including the location of the facility, a description of the proposed Project, construction plans and equipment to be used. This letter also describes the rights of the noticed parties to comment on the Project plans and participate in the PSB Section 219a net-metering review process.

II. 30 V.S.A. Section 219a Petition and Notice

The state permitting process for net-metering projects of this size requires the Applicant to provide notice to certain entities and persons 45-days prior to a formal filing with the PSB. These include:

- The legislative bodies and municipal and regional planning commissions in the communities where the project will be located;
- The Secretary of the Agency of Natural Resources;
- The Commissioner of the Department of Public Service and its Director for Public Advocacy;
- The landowners of record of property adjoining the project sites;
- The Public Service Board; and
- The serving electric company.

Per PSB Rule 5.110(C), recipients of this 45-Day Notice may file inquiries or comments with the Applicant with respect to the Project.

Please send all inquiries or comments during this 45-Day notice period to Bullrock Corporation, a company that is assisting the Applicant with the Project:

Andrew Thomas
Bullrock Corporation
145 Pine Haven Shores Road Suite 1150
Shelburne, VT 05482
(802) 999-3377

Recipients will also have the opportunity to file comments with the PSB once an application is filed. This comment period will last for 21 days from the date an application is filed with the PSB, which is expected to be no sooner than July 19, 2015.

The municipal planning commission and regional planning commission, the Agency of Natural Resources, the Department of Public Service, and Green Mountain Power ("GMP") will receive a copy of the Applicant's petition when it is filed with the PSB, which will contain all information as required by PSB Rule 5.100. Notice of the filed application shall be provided to the adjoining property owners and the Town of Charlotte.

III. Project Description

The Applicant is proposing to develop an approximate 500 kW ground mounted group net metering project at the Site, which will utilize a parcel of land owned by the Waldorf School and leased by the Applicant located at 735 Ferry Road in Charlotte, Vermont.

The proposed Project will occupy roughly 4 acres across the Site. The Site is located in an open field and is located adjacent to a Vermont Railway System tracks to the east, multiple commercial buildings to the west, and structures which supported the most recent use of the parcel as an educational facility. The Project is located in the Town of Charlotte's Commercial/Light Industrial zoning district.

A preliminary site plan, including property borders, fencing measures and the array footprint as proposed, is shown in Exhibit 1. The final site design and equipment selection will occur post permit issuance, however such design will be substantially the same as shown in Exhibit 1.
In summary, the Project will consist of:

- Approximately 2400 solar panels installed on fixed, pile-driven post mounted racking systems across approximately 4 acres (Exhibit 2 contains a sample racking system);
    - Coated with non-reflective glazing
    - Sloped at an angle of approximately 20 degrees
    - Approximately nine (9) feet high off the ground at their highest point
- Approximately 17 string inverters dispersed across the array that would convert the direct current (DC) generated by the panels to alternate current (AC);
- Network upgrades associated with interconnection of the system into Green Mountain Power's existing 3-phase service along Ferry Road, including installing a distribution pole along Ferry Road and associated pole mounted transformers;

- An approximate 8-foot perimeter fence with approximately 6" vertical spacing; and driven fence posts.

Attachments:

Exhibit 1 – Preliminary Site Plan
Exhibit 2 – Proposed Equipment Specifications
Exhibit 3 –Preliminary Natural Resources Map

IV. Construction & Transportation

The Applicant proposes to deliver materials to the Project site via truck to a temporary construction staging area at the existing parking area on the Project Site, without the need for any new roads. Most all transportation activity will occur during the construction phase, which would last approximately three (3) months. Deliveries will be made via Ferry Road and other state and local roads, which are accustomed to the type of traffic representative of the proposed daily material delivery. The Project is not expected to require oversize or overweight deliveries. Once operational, activity will consist of periodic visits for system maintenance. Access to and from the Site would be restricted by perimeter fencing in order to secure the site and prevent the public from entering the array. All equipment associated with the Project will be installed in accordance with all applicable regulations and electrical codes.

V. Preliminary Impact Assessment

i. Interconnection

The Applicant will file a 5.500 interconnection application with GMP, whom will further evaluate impacts to the system. These results will be included as part of the Petition, with any system impacts addressed at that time.

ii. Aesthetics

The Applicant has hired aesthetic consultants SE Group, a landscape architecture and planning firm specializing in scenic resource analysis, to review the Project's aesthetic impacts. SE Group has completed a preliminary assessment of potential aesthetic impacts attributable to the Project. SE Group based this assessment on its review of the preliminary design and a field evaluation of the Project's context. As described in more detail below, the initial assessment indicates that the Project will not create an undue adverse impact with respect to aesthetics.

As noted above, the Project Site is open and bordered by the Vermont Railroad line to the east and commercial areas to the west. The Project would be built in/around structures associated with the Waldorf School. SE Group's preliminary review of this context suggests that potential visibility is largely constrained to a short segment of Ferry Road, in close proximity to the Project Site. In this constrained viewshed, the expected duration of visibility is also very short. Existing vegetation along the west, east and southern boundaries will screen the Project from adjacent areas. An existing area of landscaping along the Ferry Road frontage was also observed and will help soften and screen visibility of the Project from the roadway.

While the final design has not been completed, the Project Site appears well suited to accommodate the Project with limited potential impact on the broader visual resources of the area or town. The land on which the Project is proposed has existing commercial uses, has been

planned for commercial uses, and is set well away from residential areas. The extent of visibility is limited and where visibility is expected it would be of relatively short duration.

If, following completion of its final assessment, additional mitigation measures along the frontage of Ferry Road are needed, SE Group believes that such steps can reasonably address any demonstrated impacts, allowing the Project to more effectively "fit" within its context. Based on this preliminary assessment and the availability of effective options for mitigation, SE Group believes that ultimately the Project will not create an unduly adverse impact with respect to the scenic beauty of the area.

iii. Environmental Impacts

The Applicant hired Vanasse Hangen Brustlin, Inc. ("VHB") to assess the Project's potential environmental impacts. VHB conducted an initial natural resources assessment for an approximate 5 acre Study Area, which surrounds the proposed Project Site. Based on the desktop assessment and initial field reconnaissance, and coordination with the U.S. Army Corps of Engineers, the Project would impact three (3) proposed Class III wetlands and would require a permit from the U.S. Army Corps of Engineers. Project construction would be in accordance with Vermont DEC's Low Risk Site Handbook for Erosion Prevention and Sediment Control, and as such soil compaction will be minimized by using tracked vehicles that distribute their weight over a wider area of ground surface to install pile-driven posts, place conduits for electrical connection, and attach panels. The Project will not require tree clearing or grading within wetlands. VHB has requested Vermont Agency of Natural Resources wetland review, and is presently reviewing the Project Site for potential unknown rare/protected plants and the Applicant will include the results of its investigation with the full application. VHB does not anticipate that the Project will result in undue impacts to natural resources.

The Applicant will include a more detailed analysis of environmental impacts with the Petition.

VI. Conclusion

The Project is not expected to result in undue adverse impacts to the applicable criteria. The Applicant looks forward to submitting the full Section 219a filing package, which will contain all information required by the PSB, and for others, to evaluate the merits of the Project for potential award of a Certificate of Public Good.

Sincerely,

Joslyn Wilschek

Joslyn Wilschek

Exhibit 1:

Preliminary Site Plan

(*See Next Page*)

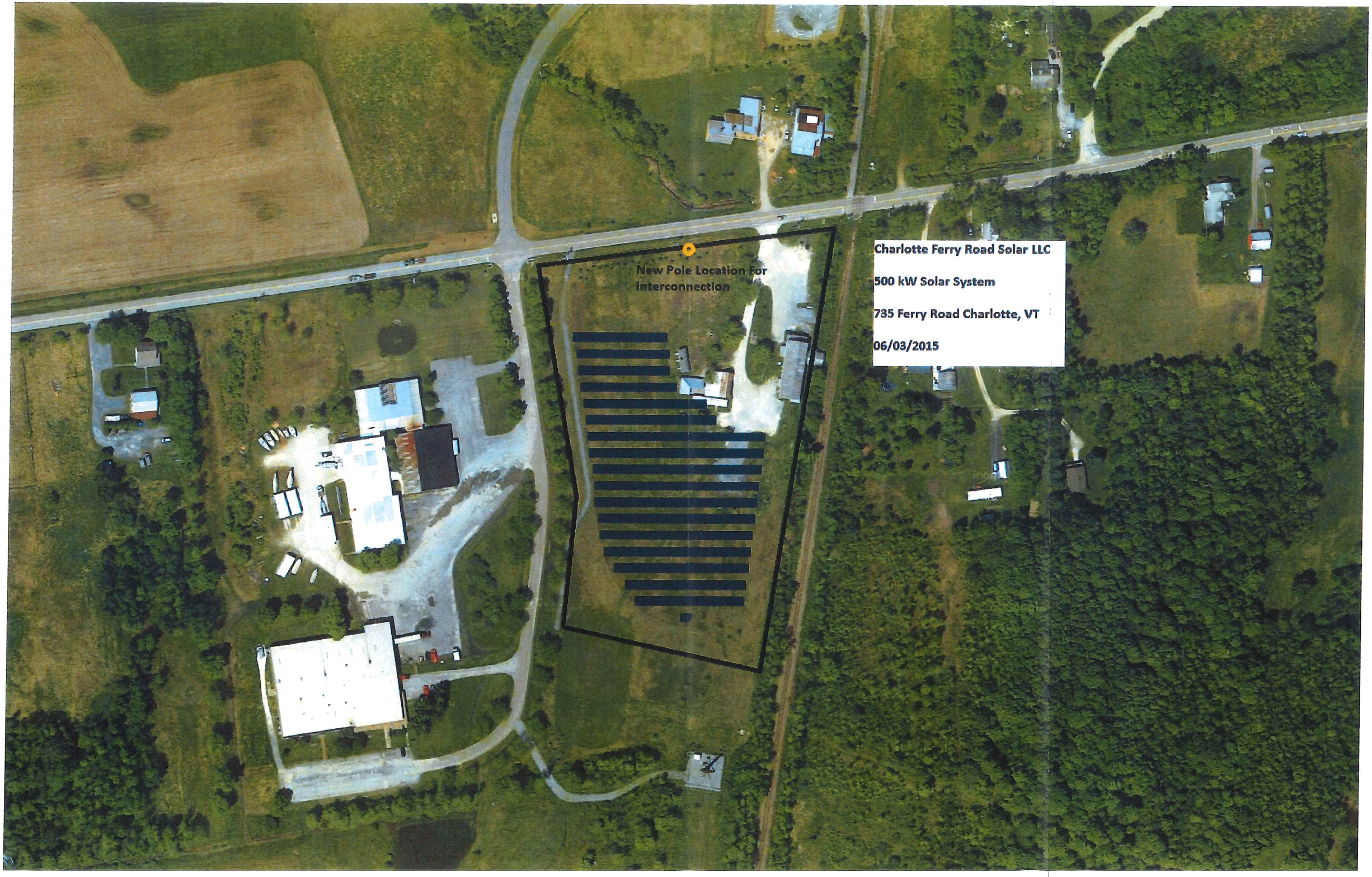
New Pole Location For Interconnection
Charlotte Ferry Road Solar LLC
500 kW Solar System
735 Ferry Road Charlotte, VT
06/03/2015

Exhibit 2:

Proposed Equipment Specifications

(*See Following Pages*)

YGE-U 72 CELL SERIES

YL310P-35b
YL305P-35b
YL300P-35b
YL295P-35b
YL290P-35b

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ELECTRICAL PERFORMANCE

Electrical parameters at Standard Test Conditions (STC)

Module type			YL310P-35b	YL305P-35b	YL300P-35b	YL295P-35b	YL290P-35b
Power output	P_{max}	W	310	305	300	295	290
Power output tolerances	ΔP_{max}	%	-0 / +3				
Module efficiency	η_m	%	16.0	15.7	15.5	15.2	14.9
Voltage at P_{max}	V_{mpp}	V	36.3	36.1	35.8	35.6	35.3
Current at P_{max}	I_{mpp}	A	8.53	8.45	8.37	8.29	8.22
Open-circuit voltage	V_{oc}	V	45.6	45.4	45.2	45.0	44.8
Short-circuit current	I_{sc}	A	8.99	8.93	8.86	8.79	8.73

STC: 1000W/m² irradiance, 25°C cell temperature, AM 1.5G spectrum according to EN 60904-3

Maximum power output P_{max} at multiple rating conditions of temperature and irradiance

		Temperature	Irradiance	YL310P-35b	YL305P-35b	YL300P-35b	YL295P-35b	YL290P-35b
		°C	W/m²	W	W	W	W	W
High Temperature Condition	HTC	75	1000	242.9	239.0	235.1	231.2	227.3
Nominal Operating Cell Temperature	NOCT	46	800	227.2	223.5	219.8	216.2	212.5
Low Temperature Condition	LTC	15	500	161.8	159.2	156.6	154.0	151.4
Low Irradiance Condition	LIC	25	200	60.0	59.0	58.1	57.1	56.1

OPERATING CONDITIONS

Max. system voltage	1000Voc
Max. series fuse rating	15A
Limiting reverse current	15A
Operating temperature range	-40 to 185°F (-40 to 85°C)
Max. hailstone impact (diameter / velocity)	25mm / 23m/s

THERMAL CHARACTERISTICS

Temperature coefficient of P_{max}	%/°C	-0.43
Temperature coefficient of V_{oc}	%/°C	-0.32
Temperature coefficient of I_{sc}	%/°C	0.04
Temperature coefficient of V_{mpp}	%/°C	-0.42

CONSTRUCTION MATERIALS

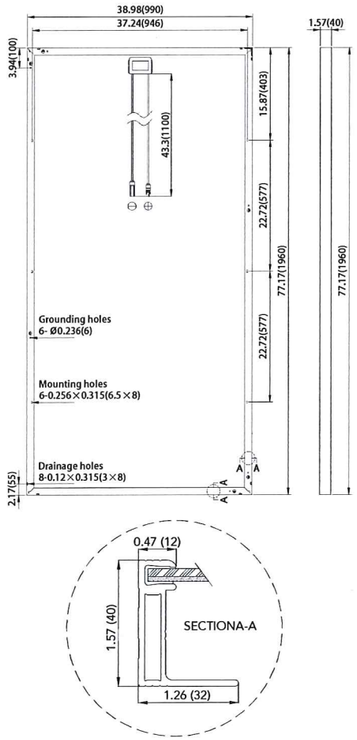
Front cover (material / thickness)	low-iron tempered glass / 4.0mm
Cell (quantity / material / dimensions)	72 / multicrystalline silicon / 156mm x 156mm
Encapsulant (material)	ethylene vinyl acetate (EVA)
Backsheet (material)	fluoropolymer-based with EVA primer
Frame (material / color)	anodized aluminum / silver
Junction box (ingress protection rating)	≥IP65
Cable (length / cross-sectional area)	1100mm / 4mm²
Connector (type / ingress protection rating)	MC4 / IP67 or Amphenol H4 / IP68

GENERAL CHARACTERISTICS

Module dimensions (L / W / H)	77.17in (1960mm) / 38.98in (990mm) / 1.57in (40mm)
Module weight	56.2lbs (25.5kg)
Number of modules per pallet	26
Number of pallets per 40' container	24
Packaging box dimensions (L / W / H)	78in (1995mm) / 45in (1145mm) / 46in (1170mm)
Packaging box weight	1559lbs (707kg)

Warning: Read the Installation and User Manual in its entirety before handling, installing, and operating Yingli modules.

Units: inch (mm)



Yingli Green Energy Americas, Inc.
info@yingliamericas.com
Tel: +1 (888) 686-8820

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Intelligent design

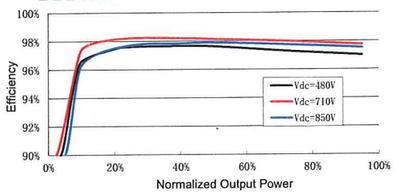
- Integrated combiner box: 10 x Screw terminal pairs with DC string fuses, Type II overvoltage protection and DC switch, more safety and lower the system cost
- Can be wall-mounted without lifting equipment, weight 65 kg
- Can be mounted vertically as well as horizontally, giving maximum design flexibility and lowering installation costs

Reliable

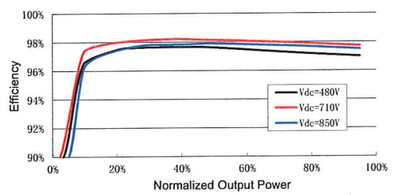
- Product certification: cCSAus, UL 1741, IEEE 1547, IEEE1547.1, CSA C22.2, 107.1-01-2001, FCC Part 15 Sub-part B Class B Limits
- Manufacturer certification: ISO 9001, ISO 14001, OHSAS 18000

Efficiency Curve

SG 30KU



SG 36KU



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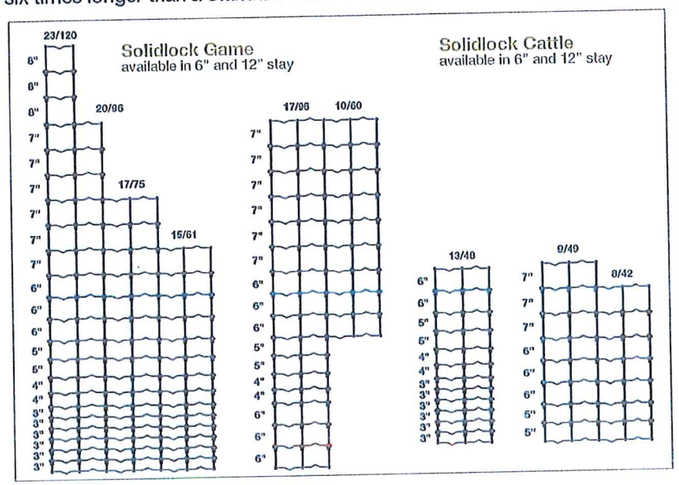
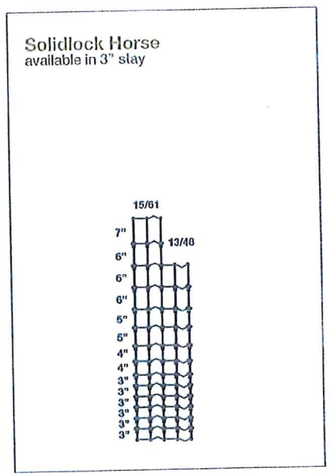
Solidlock fence is available in Class 3 (heavy coat) galvanized for long life. You can also get Solidlock with Bezinal + Paint advanced coating. Choose either a black or green finish and enjoy the benefits of a product that will last four to six times longer than a standard Class 1 fence.





BEKAERT

Solidlock 12.5g Game Fence

Part Number	Fence Design	Height	Vertical Stay Spacing	Roll Length	Top and Bottom Wire Diameter	Main Wire Diameter	Roll Weight	Finish
118218	1060 – 6	60"	6"	330'	12.5g	12.5g	210 lbs	Class 3
118257	1060 – 12	60"	12"	660'	12.5g	12.5g	294 lbs	Class 3
118248	1561 – 6	61"	6"	330'	12.5g	12.5g	279 lbs	Class 3
118269	1775 – 6	75"	6"	330'	12.5g	12.5g	327 lbs	Class 3
118229	1775 – 12	75"	12"	330'	12.5g	12.5g	236 lbs	Class 3
118280	1796 – 6	96"	6"	330'	12.5g	12.5g	355 lbs	Class 3
118271	2096 – 3	96"	3"	165'	12.5g	12.5g	340 lbs	Class 3
118288	2096 – 6	96"	6"	330'	12.5g	12.5g	396 lbs	Class 3
118376	2096 – 6	96"	6"	500'	12.5g	12.5g	601 lbs	Class 3
118241	2096 – 12	96"	12"	330'	12.5g	12.5g	264 lbs	Class 3
118371	2096 – 12	96"	12"	660'	12.5g	12.5g	564 lbs	Class 3
118318	23120 – 6	120"	6"	330'	12.5g	12.5g	492 lbs	Class 3
136692	2096 – 6	96"	6"	330'	12.5g	12.5g	396 lbs	Green
136261	2096 – 6	96"	6"	330'	12.5g	12.5g	396 lbs	Black

Solidlock 12.5g Cattle Fence

Part Number	Fence Design	Height	Vertical Stay Spacing	Roll Length	Top and Bottom Wire Diameter	Main Wire Diameter	Roll Weight	Finish
118185	842 - 6	42"	6"	330'	12.5g	12.5g	157 lbs	Class 3
118144	842 - 12	42"	12"	330'	12.5g	12.5g	110 lbs	Class 3
118221	842 - 12	42"	12"	660'	12.5g	12.5g	220 lbs	Class 3
118199	949 - 6	49"	6"	330'	12.5g	12.5g	182 lbs	Class 3
118162	949 - 12	49"	12"	330'	12.5g	12.5g	129 lbs	Class 3
118239	949 - 12	49"	12"	660'	12.5g	12.5g	257 lbs	Class 3
118226	1348 - 6	48"	6"	330'	12.5g	12.5g	234 lbs	Class 3
118310	1348 - 12	48"	12"	330'	12.5g	12.5g	176 lbs	Class 3

Solidlock 12.5g Horse Fence

Part Number	Fence Design	Height	Vertical Stay Spacing	Roll Length	Top and Bottom Wire Diameter	Main Wire Diameter	Roll Weight	Finish
118150	1348 - 3	48"	3"	100'	12.5g	12.5g	117 lbs	Class 3
118225	1348 - 3	48"	3"	200'	12.5g	12.5g	233 lbs	Class 3
118174	1561 - 3	61"	3"	100'	12.5g	12.5g	140 lbs	Class 3
118249	1561 - 3	61"	3"	200'	12.5g	12.5g	280 lbs	Class 3

Solidlock 14g Sheep & Goat Fence

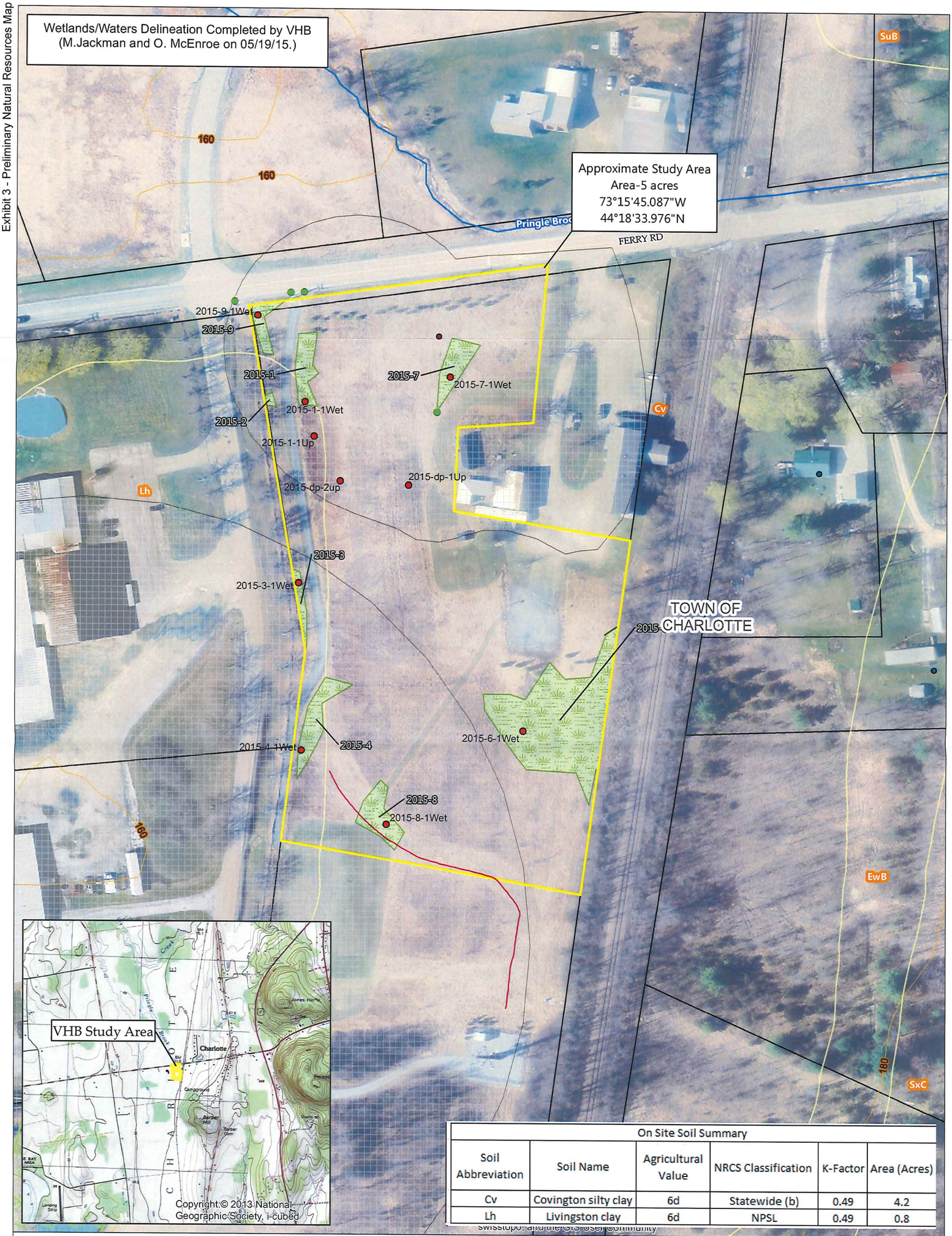
Part Number	Fence Design	Height	Vertical Stay Spacing	Roll Length	Top and Bottom Wire Diameter	Main Wire Diameter	Roll Weight	Finish
141324	1048 - 3	48"	3"	165'	12.5g	14g	109 lbs	Class 3
137452	1048 - 12	48"	12"	330'	12.5g	14g	105 lbs	Class 3
137453	1048 - 12	48"	12"	660'	12.5g	14g	210 lbs	Class 3

Exhibit 3:

Preliminary Natural Resources Map

(*See Next Page*)

Exhibit 3 - Preliminary Natural Resources Map



On Site Soil Summary					
Soil Abbreviation	Soil Name	Agricultural Value	NRCS Classification	K-Factor	Area (Acres)
Cv	Covington silty clay	6d	Statewide (b)	0.49	4.2
Lh	Livingston clay	6d	NPSL	0.49	0.8

Legend

- Study Area (VHB)
- **Wetlands (VHB)**
- Proposed Class III
- Wetland Open (VHB)
- Culvert (VHB)
- Data Point (VHB)
- Found Well (VHB)
- Under Ground Power Line (VHB)
- VSWI Wetland (ANR)
- Waterbody (VHD)
- Streams (VHD)
- NHI Element Occurrences (VTFWD)*
- Deer Wintering Area (VT ANR)*
- NRCS Soils
- Ground Water Protection Area (VT ANR)
- Surface Water Protection Area (VT ANR)*
- River Corridors (ANR)*
- Private Wells (ANR)
- Public Wells (ANR)
- 100 Year Flood Zone (FEMA)*
- 500 Year Flood Zone (FEMA)*
- 20 Ft. Contour
- 100 Ft. Contour

*Feature does not occur within map extent

N W E S

Ferry Road Solar Site
Charlotte, VT
Preliminary Natural Resources Map

Draft: May 21, 2015

Sources: Background Orthophoto by Bing (2015); NHI Element Occurrences, Surface Water Protection Area, Ground Water Protection Area,and Deer Wintering Area by ANR (2013); River Corridors by ANR (2015); Contours generated from LIDAR DEM (2015); Streams and Waterbodies by VHD (2010); Soil Boundary by NRCS (2008); VSWI Wetlands by ANR (2010); Flood Zones by FEMA (2014); Parcel data by VHBP(2009); Study Area, VHB Natural Resource features delineated by VHB (2015).

100 50 0 100 Feet

Document Path: \\vtnfdata\projects\57746.01 Deutsche Eco Ferry Rd\GIS\Project\Copy_of_Deustche_Charlotte_NRmap.mxd Exported by: MJackman on 5/21/2015