

H&B Solutions, LLC

37534 Oliver Drive Selbyville, DE 19975

Tel: 410.292.4385

September 12, 2018

Maryland Department of the Environment Water Management Administration Regulatory Services Coordination Office 1800 Washington Boulevard, Suite 430 Baltimore, MD 21230

Re:

MD Solar 1, LLC (Shugart Valley Place) - Charles County, MD

Joint Federal/State Application for the Alteration of any Floodplain, Waterway, Tidal, or Nontidal

Wetland in Maryland Project No. 17004.00

To Whom It May Concern:

Enclosed is the above referenced Wetlands Permit Application for the proposed MD Solar 1 Solar Project in Charles County. It should be noted that the Applicant coordinated the field assessments performed by ECS Mid-Atlantic as well as various project components with Mr. Jeff Thompson. Mr. Thompson has walked the sites with H&B Solutions, ECS Mid-Atlantic, and representatives from the Power Plant Research Program and their consultants. A memo from Mr. Thompson is included in the application package which further confirms wetland avoidance and minimization of impacts.

As noted in the application and supporting exhibits, these impacts are principally associated with the emergency service access road which is required as part of the project by the Public Service Commission and the County Fire Marshal. Other minor impacts are associated with the utility line right-of-way and a temporary bridge providing access for heavy equipment and delivery trucks to the site during construction.

The appropriate application fee of \$750 along with a copy of the first page of the application has been sent to the appropriate PO Box as requested.

If you need anything further in these regards, please let us know.

Sincerely,

H&B Solutions, LLC

Dane S. Bauer

Enclosures

Cc:

Mr. Edwin Moses (w/ enclosures)

Mr. Jason Thomas (w/ enclosures)

Ms. Anna Allie (w/ enclosures)

Ms. Melissa Hall (w/ enclosures)

Mr. Jeff Thompson (w/ enclosures)

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Application Number Date Received by State	Date Determined Complete Date(s) Returned	
Date Received by Corps		
Type of State permit needed	Date of Field Review	U 10 4010
Type of Corps permit needed	Agency Performed Field Review	Bran Malak
-++++++++++++++++++++++++++++++++++++++		
Please submit 1 original and 6 copies of this form, required	d maps and plans to the Wetlands and Water	erways Program as noted or
the last page of this form.		
Any application which is not completed in full or is accommesult in a time delay to the applicant.	panied by poor quality drawings may be co	onsidered incomplete and
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Please check one of the following: 18-HT-0323	Day 45: 11-29-18	PAID \$750
RESUBMITTAL: APPLICATION AMENDMENT:	MODIFICATION TO AN EXI	STING PERMIT:
	PPLYING FOR AUTHORIZATION X	
PREVIOUSLY ASSIGNED NUMBER (RESUBMITTALS AND AN	MENDMENTS)	_
DATE		
. APPLICANT INFORMATION: AI /628	22 201861760	
AFFLICANT INFORMATION: PL 7640		
APPLICANT NAME:		
A. Name: Mr. Jason Thomas	B. Daytime Telephone:	
C. Company: MD Solar 1, LLC	D. Email Address: jason.thomas	@origisenergy.com
E. Address: 800 Brickell Avenue, Suite 1100		7: 20101
F. City: Miami	State: Florida	Zip: 33131
AGENT/ENGINEER INFORMATION:		
AGENT/ENGINEER IN ORWINITON		
		(302) 424-1441
	B. Daytime Telephone:	
C. Company: Davis Bowen & Friedel, Inc.	B. Daytime Telephone: D. Email Address: jpl@dbfinc.c	
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C. Company: Davis Bowen & Friedel, Inc. E. Address: 1 Park Avenue F. City: Milford ENVIRONMENTAL CONSULTANT: A. Name: Ms. Anna Allie	D. Email Address: jpl@dbfinc.c	Zip: 19963 (703) 471-8400
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JOINT FEDERAL/STATE APPLICATION FOR THE ALTERATION OF ANY FLOODPLAIN,

MY

WATER AND SCIENCE ADMIN. REGULATORY SERVICES COORD.

existing transmission lines, security fence to accommodate emergency service vehi	e and screer	ing landsca	iping. Imp	acts will co	onsist of: a i	oad crossing	bridge road crossis
over Wards Run for construction access;	and conver	sion impact	ts of forest	to emerger	nt wetlands	for an overhe	ead utility line ease
Appendix VI includes a table outlining the							
Has any portion of the project been com	pleted?	Y	es	x No) 1	f yes, explair	n
							
Is this a residential subdivision or comm	anaial days	lanmant?		Yes	7	No	
If yes, total number of acres on property		0 acres		- 103		110	
A CONTRACTOR CL - 1 - 11 - 12 - 12 - 12					aadulain an	ad nontidal uu	estland buffer on
b. ACTIVITY: Check all activities the appropriate.	at are propo	osed in the	wetiand, w	aterway, 11	ooapiain, ai	id nontidal w	etiand buffer as
	Б	a "		a*		Б	
A. x filling	D	flooding water	or impound	aing		F. <u>x</u> G. x	grading removing or destr
B dredging C. excavating	E.	draining				0. <u> </u>	vegetation
	<i>-</i> ·					Н. х	
Area for item(s) checked: Wetland 5					Vetland Onl	·)55 (sq. ft.)
Expanded B			id Only)		(sq. ft	.)	
Area of stream impact 1,560	(sq. ft. (linea						
		1 10011					
c. TYPE OF PROJECTS: Project I For each activity, give overall length an square feet in column 3. For activities i ponds, give average depth (in feet) for the square feet in column 3.	Dimensions d width (in the state of the stat	feet), in col	kimum dist	ance chann Give the	nelward (in t volume of f	feet) in colun ill or dredged	nn 4. For dam or si d material in colum
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The	purpose of the project is the construction, operation and maintenance of a solar energy generation facility. The facility will
Ma	erate renewable energy to support the State of Maryland's renewable portfolio standard. This project was selected by Southern yland Electric Cooperative to provide renewable energy for the purpose of satisfying their requirements for renewable energy.
The	proposed solar panels have been placed in locations so as not to disturb wetland areas and the proposed impacts are associated grass access roads needed to maintain the solar panels, security fencing, and associated landscaping, and provide access for
	rgency service vehicles, as well as a bridge replacement, and an overhead power line easement.
3.	PROJECT LOCATION:
a.	LOCATION INFORMATION:
A.	County: Charles B. City: La Plata C. Name of waterway or closest waterway Wards Run
D. E.	State stream use class designation: Site Address or Location: 4850 Shugart Valley Place in Charles County, Maryland
F.	Directions from nearest intersection of two state roads: From the intersection of MD 484 (Poorhouse Road) and MD 425 as Springs Road), continue south on MD 425 for ~2 miles, then turn left on Shugart Valley Place.
`	
G.	Is your project located in the Chesapeake Bay Critical Area (generally within 1,000 feet of tidal waters or tidal wetlands)?:
Н.	Yes x No County Book Map Coordinates (Alexandria Drafting Co.); Excluding Garrett and Somerset Counties:
	Map: See attached Letter: Number: (to the nearest tenth)
I. J.	FEMA Floodplain Map Panel Number (if known): 24017C0145D 1. 38.508581 latitude 277.139950 longitude
	ACTIVITY LOCATION: Check one or more of the following as appropriate for the type of wetland/waterway where you are posing an activity:
A.	Tidal Waters F 100-foot buffer (nontidal wetland Hx 100-year floodplain
B.	Tidal Wetlands of special State concern) (outside stream channel) Special Aquatic Site G. x In stream channel I. River, lake, pond
С.	(e.g., mudflat, 1. Tidal 2. x Nontidal J. Other (Explain)
D.	vegetated shallows) x Nontidal Wetland
E.	x 25-foot buffer (nontidal
	wetlands only)
c.	LAND USE:
A.	Current Use of Parcel Is: 1 Agriculture: Has SCS designated project site as a prior converted cropland?
5.	Yes x No 2. x Wooded 3. Marsh/Swamp 4. x Developed Other
n	
	<u> </u>
C.	Project complies with current zoningx Yes No
TF	IE FOLLOWING INFORMATION IS REQUIRED BY THE STATE (blocks 4-7):
4.	REDUCTION OF IMPACTS: Explain measures taken or considered to avoid or minimize wetland losses in F. Also check
Ite	ms A-E if any of these apply to your project.
A.	x Reduced the area of disturbance B. x Reduced size/scope of D. x Redesigned project
	disturbance project D. x Redesigned project
E.	
F.	Explanation The project avoided and minimized, to the maximum extent practicable, impacts to existing waters with the
ex	ception of crossings that were necessary to meet the purpose and need of the project. No existing waters will be filled for the

utility line easement construction, thereby re streams to further reduce impacts. MDE visi considerations.	ce road crossing access, as well as vegetation	rossings are perpendicular to the wetlands or
Describe reasons why impacts were not avoided or n	educed in Q. Also check Items G-P that apply to your	project.
G. Cost H. X Extensive wetlands on site I. X Engineering/design constraints U. Other natural features	K. Parcel size L. x Other regulatory requirement M. x Failure to accomplish project purpose	N. x Safety/public welfare issue O Inadequate zoning P. x Other Maintenance requirements and access needed.
site to maintain the proposed solar arrays. In necessity to utilize the site to generate the el Furthermore, emergency vehicle access is re	d not be completely avoided and still provide Extensive streams surround and bisect the site lectricity necessary to accomplish the project equired which prompt the need for road access stern boundary, which require a power line ear	e, making crossings for access roads a goals and meet the project purpose. ss, and existing power distribution
 EETTER OF EXEMPTION: If you explain why the project qualifies: A. No significant plant or wildlife value and wetland impact 1. Less than 5,000 square feet 2. In an isolated nontidal wetland less than 1 acre in size E. Other (explain) 	B Repair existing structure/f C Mitigation Project D. Utility Line 1 Overhead 2 Underground	vities in nontidal wetlands and/or their buffer
	NG FOR A LETTER OF EXEMPTION, P	· · · · · · · · · · · · · · · · · · ·
6. ALTERNATIVE SITE ANALYSIS:	Explain why other sites that were considered project. (If you are applying for a letter of	of exemption, do not complete this block):
cneck any items in D-L if they apply to you		
	B. <u>x</u> 2 - 4 sites	C 5 or more sites
A 1 site Alternative sites were rejected/not consider D. Cost E Lack of availability	red for the following reason(s): H. x Greater wetlands impact I. Water dependency	L. Other
A 1 site Alternative sites were rejected/not consider D. Cost E X Lack of availability F x Failure to meet project	red for the following reason(s): H. x Greater wetlands impact	
A 1 site Alternative sites were rejected/not consider D. Cost E Lack of availability F Failure to meet project purpose G Located outside general/market area M. Explanation: Other sites in the vicin lease, or would not be near enough to exist infrastructure is needed to adequately trans arrays are the primary considerations in rejection. 7. PUBLIC NEED: Describe the public	red for the following reason(s): H. x Greater wetlands impact I. Water dependency J. Inadequate zoning K. x Engineering/design constraints hity would either cause greater impacts to we ing power lines to be of feasible use to the primit renewable energy into the power grid. The	tlands, were not available for purchase or oject purpose. Close proximity to existing lat, and size of available land for the solar in F. Also check Items in A-E that apply to

3.	OTHER APPROVALS NEEDE	D/GK	ANIED.							
4 .	Agency	В.	Date Sought	1.	C. Decision Granted 2.	n Denied	D.	Decision Date	E.	Other Status
	PSC-CPCN		September 2017						-	In progres
	Charles County Special Exception		October 2017					August 2018	_	In progres
	Charles County Site Plan		September 2018						-	progress
				•					-	
).	MITIGATION PLAN: Please p	rovide	the following	g inform	ation:					
nit	tigation is not required for the propo	osed in	npacts.							
o.	Give a brief description of the pr	opose	d mitigation p	roject.	As mentioned	d above, spe	ecific m	itigation is no	ot requir	ed
b.	Give a brief description of the pr	opose	d mitigation p	roject.	As mentioned	d above, spe	ecific m	itigation is no	ot requir	ed
b.	Give a brief description of the property of th	propose, spe	d mitigation p	roject.	As mentioned	d above, spe	re cons	itigation is no	ny they	ed
b.	Give a brief description of the pr	propose, spe	d mitigation p	roject.	As mentioned	d above, spe	re cons	itigation is no	ny they	ed
b.	Give a brief description of the property of th	propose, spe	d mitigation p	roject.	As mentioned	d above, spe	re cons	itigation is no	ny they	ed
d. 10 Pro	Give a brief description of the property of th	propose, spe	d mitigation p sed mitigation cific mitigation e protected in	roject. site, in on is not the future.	As mentioned cluding what other required are. As ment	d above, special above areas we ioned above	re cons	itigation is no	ny they	ed were

necessary: Additional supporting information can		
	setbacks. For wetlands, 35'is shown instead of 2	
A buffer of 100' from centerline of stream	r. The County also establishes 50' buffers from 0	County Resource Protection Zone areas.
A durier of 100 Hom centerinie of stream	in was ased for their it streams.	
Check box if data is enclosed for any one	e or more of the following (see checklist for requ	ired information):
A. Soil borings	D. x Field surveys	G. x Site plan
B. Wetland data sheets C. x Photographs	E. Alternate site analysis	H. x Avoidance and
C. x Photographs	F. Market analysis	minimization analysis
I. x Other (explain) Project de	scription and wetland delineation maps.	
CERTIFICATION:		
I hereby designate and authorize the ag	ent named above to act on my behalf in the pro	ocessing of this application and to furnish an
information that is requested. I certify	that the information on this form and on the	attached plans and specifications is true an
accurate to the best of my knowledge an	d belief. I understand that any of the agencies in	wolved in authorizing the proposed works ma
	set forth herein as may be deemed appropriate identified and delineated on site, and that all ju	
accordance with the Corps of Engineer	rs Wetlands Delineation Manual (Wetlands Res	search Program Technical Report Y-87-1).
grant permission to the agencies respon-	sible for authorization of this work, or their duly	authorized representative, to enter the proje
site for inspection purposes during work	king hours. I will abide by the conditions of the	e permit or license if issued and will not beging are consistent with Maryland's Coastal Zon
work without the appropriate authorize	ation. I also certify that the proposed works	are consistent with Maryland's Coastal Zor
work without the appropriate authorize Management Plan. I understand that no that additional required information b	ation. I also certify that the proposed works one of the information contained in the application considered confidential under applicable law	are consistent with Maryland's Coastal Zor ion form is confidential and that I may reque ws. I further understand that failure of the
work without the appropriate authorize Management Plan. I understand that no that additional required information b	ation. I also certify that the proposed works one of the information contained in the applicati	are consistent with Maryland's Coastal Zon ion form is confidential and that I may reque ws. I further understand that failure of the
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• SEND AN <u>APPLICATION FEE OF \$750</u> ALONG WITH A COPY OF THE FIRST PAGE OF THE APPLICATION TO MARYLAND DEPARTMENT OF THE ENVIRONMENT, P.O. BOX 2057, BALTIMORE, MD 21203-2057. PLEASE REFER TO OUR WEBSITE http://www.mde.maryland.gov FOR FURTHER INSTRUCTIONS.

Revised 7/10

SUPPLEMENTARY INFORMATION TO BE INCLUDED ON PLANS, DRAWINGS, OR VICINITY MAPS

In addition to the information indicated on the previous pages, you should include the following on the 8 1/2 x 11 site plans and any blueprints you have submitted:

- 1. Delineation of any wetland buffers or expanded buffers, clearly marked and differentiated.
- 2. Location of mitigation area, if proposed on the same site as the project.

Note: If you are proposing a complex project you may wish to submit engineering blueprints of your project with the application form to expedite review.

Mitigation Location Map: If you are proposing that nontidal wetland mitigation be done at a different location than the proposed project, you should submit a map showing the location of the mitigation site in relation to the proposed nontidal wetland losses.

WETLAND DELINEATION

Wetlands should be identified according to methods described in the publication Corps of Engineers Wetlands Delineation Manual (Wetlands Research Program Technical Report Y-87-1). Copies of the manual may be obtained by calling the U. S. Government Printing Office at 202-783-3238 and requesting document #024-010-00-683-8 at a cost of \$7.50. Wetlands must be shown on all plans submitted with the application. All wetlands on site must be delineated and shown on the overall site plan. 8½ x 11 inch plans with topography showing relation of the wetlands and project impacts must be submitted. Copies of the wetland reports and data sheets used in making the determination must be included with your application submittal.

Regulatory Agencies

Federal Permits

U.S. Army Corps of Engineers Baltimore District

Attention: CENAB-OP-R

P. O. Box 1715

Baltimore, MD 21203-1715 Telephone: (410) 962-3670

Coastal Zone Consistency Statement

MD Dept. of the Environment Water Management Administration Wetlands and Waterways Program 1800 Washington Blvd, Ste 430 Baltimore, MD 21230

Telephone: (410) 537-3745

State Authorizations

MD Dept. of the Environment Water Management Administration Tidal Wetlands Division 1800 Washington Blvd, Ste 430 Baltimore, MD 21230

Telephone: (410) 537-3837

MD Dept. of the Environment Water Management Administration Nontidal Wetlands and Waterways Division 1800 Washington Blvd, Ste 430 Baltimore, MD 21230 Telephone: (410) 537-3768