

2022 Shutesbury Annual Operating Report



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Operation Conditions:

1. Should any segment of the perimeter fencing be visible in winter from Reed Road, that visible portion shall be dark green or black in color.

Response: Perimeter fencing is not visible during the winter from Reed Road.

2. Signage shall be provided to identify the operator of the facility and provide a 24-hour emergency contact phone number. Signage at the perimeter fence warning pedestrians is allowable. Signage shall not be used for displaying any advertising.

Response: There is signage at the site's gate that provides a pedestrian warning as well as the name of the operator and the 24/7 emergency contact phone number.



3. A copy of a final Commissioning Report shall be submitted to the Shutesbury Board of Selectmen no less than 30 days following the activation of the facility.

Response: A copy of the Commissioning Report was provided as part of the 2020 Annual report.

4. Emergency Preparedness: Applicant shall provide a copy of the Project summary, electrical schematic, and site plan to the Fire Chief, Highway Superintendent, and Emergency Management Director, and identify a responsible owner/operator for public inquiries throughout the life of the installation prior to the commencement of the operation of the Project. Signage shall be attached to the gate providing the emergency contact information and the responsible person. The Fire Department shall be provided with a means to open the gate on the access road to the security fencing around the array and shall have access to emergency shut-offs for the solar array. The project operators shall provide a training session for the Fire Department and other Town officials responsible for emergency response on how to use the emergency cutoff switches, and other operational details.

Response:The training for the Fire Department and Town Officials was completed Q3 2021. The Fire Department has installed their own locks on the gates and has the ability to access the site in case of an emergency. They also have been trained in proper shut offs for the solar array.

5. The owner or operator of the project shall submit an annual report demonstrating and certifying compliance with an Operation and Maintenance Plan and the approved special permit, including but not limited to compliance with the approved plans and any special permit conditions, continuation of liability insurance, and adequacy of emergency access. The annual report shall also provide information on the maintenance completed during the course of the year, the status of the wildflower meadow planted in and around the arrays, and the amount of electricity generated by the facility. The report shall be submitted to the Planning Board, Select Board, Fire Chief, Emergency Management Director, and Building Inspector no later than 45 days after the end of the calendar year.

Response: Maintenance completed during 2021:

Completed	Name	Status	Description
Mar-22	Inverter 1 AC Breaker	Complete	Inverter 1 AC breaker failed to close in during normal operation.
Mar-22	Inverter 2 Recombiner PLC	Complete	Inverter 2 recombiner PLC cycled inverter on and off multiple times. Replaced with new from stock, required reprogramming
Apr-22	Site PM	Complete	Investigate site, inverters, drainage items. Formulated plan for road/basin.
May-22	LU3 DC Converter 3 IGBT replacement	Complete	DC converter IGBT failure and replacement
Jun-22	BMS3 chiller replacement	Complete	Battery chiller replacement on BMS3
Jul-22	LU3 DC converter 4 IGBT replacement	Complete	IGBT failed and required replacement
Jul-22	LU2 DC converter 1 IGBT replacement	Complete	IGBT failed and required replacement
Jul-22	Resurface road, correct ditches	Complete	Resurfaced road and ensured that ditches met specifications of original design.
Jul-22	Remove silt from infiltration basin	Complete	Removed silt from infiltration basin to improve basin performance.
Oct-22	Inverter 3 DC OC	Complete	Repair- common fuses blown, replace and RTS.
Nov-22	Battery fault	In Progress	Cell balancing and chiller replaced. Note cell balancing ongoing

Energy Production per Month:

Date	Production Meter Net KWH
Jan-22	227920
Feb-22	248250
Mar-22	574970
Apr-22	682960
May-22	847620
Jun-22	839830
Jul-22	909500
Aug-22	719770
Sep-22	687980
Oct-22	524770
Nov-22	415920
Dec-22	203860

A copy of the certification of liability insurance is included in Appendix A.

6. Applicant shall use only water, and shall not use any soaps, solvents, or other chemicals, in the cleaning of the PV modules.

Response: No module washing has occurred since construction.

7. The project shall have no permanently-affixed exterior lighting.

Response: Project does not have exterior lighting.

8. Herbicide use is prohibited, except in cases of spot treatments to control invasive species, provided only MDAR-approved herbicides as provided on the Sensitive Area Materials list shall be used. Vegetation control shall be by mechanical means. Mowing in and around the solar arrays shall occur no more than once per year, in October or November only. Occasional cutting of plants that shade the solar arrays is permitted provided it is done by a hand-held machine and not by a mower or tractor.

Response: Herbicide is not used on site. Mechanical mowing occurs in October each year and trimming by hand-held machine is completed as needed as vegetation growth impacts production due to shading.

9. All electric power generated at the Project site shall be from solar energy.

Response: All electric power generated at the project is from solar energy.

10. After the completion of construction and site stabilization, the drainage ditches constructed along either side of the access drive between Pratt Corner Road and the first drainage basin shall be top-dressed with a mixture of wood chips and forest soils from the site. Thereafter, the ditches shall be allowed to re-vegetate from ambient seed sources. No mowing or cutting is permitted except for tree cutting and trimming necessary to maintain the serviceability of the access driveway.

Response: The ditches have re-vegetated from ambient seed sources. The ditches are not mowed unless vegetation impedes access to or within the site.

11. The applicant will ensure that initial wildflower meadow plantings installed after construction are stabilized and established sufficiently by any necessary replacement of plants, reseeding, or application of soil amendments for as many growing seasons as is necessary to cover at least 90 percent of the ground surface with either the plants initially installed, native plants that have filled in, or a combination.

Response: The site's near 90 percent ground surface covered with native vegetation. A site clearing (rocks, branches, etc) was completed June of 2021 and will allow greater coverage of growth at the site. The coverage of the vegetation will be observed throughout the summer and a reseeding will occur if needed in the fall to ensure 90 percent coverage is achieved. In September, the vegetation received positive remarks from the Conservation Commission in regard to coverage on the site.



12. All access and internal driveways, fencing, gates, signage, drainage and stormwater infrastructure, solar equipment, and the wildflower meadow shall be maintained and kept in good working order by the owner or operator for the life of the Project.

Response: Due to increased erosion observed in the spring and summer of 2021, Wheelock undertook road repairs and grading on the main access road to ensure it remains in good condition. Wheelock continued this work in 2022, removing sediment from the bottom of the infiltration basin, completing the road repairs throughout the site, and ensuring that stormwater features met design specifications. Wheelock also performed an inspection of the repairs completed in 2021 to ensure that they were meeting expectations and found them all in good condition.



Appendix A



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

9/15/2022

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Beecher Carlson Insurance Services Part of Brown & Brown Inc 6 Concourse Parkway, Suite 2300 Atlanta, GA 30328 www.bbinsurance.com	CONTACT NAME	Ginny McCarthy		
	PHONE (A/C, No, Ext)	646-358-8537	FAX (A/C, No)	770-870-3043
	E MAIL ADDRESS	Ginny.McCarthy@BBrown.com		
	INSURER(S) AFFORDING COVERAGE		NAIC #	
	INSURER A	Indemnity Insurance Co of North America	43575	
	INSURER B			
	INSURER C			
	INSURER D			
	INSURER E			
	INSURER F			

INSURED
DG Massachusetts CS 2021, LLC
NextEra Energy, Inc
NextEra Energy Resources, LLC
700 Universe Boulevard
Juno Beach FL 33408-2657

COVERAGES **CERTIFICATE NUMBER. 70257533** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Time Element Pollution GENL AGGREGATE LIMIT APPLIES PER <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	CGO G47345558	9/15/2022	11/15/2023	EACH OCCURRENCE \$5,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$5,000,000 MED EXP (Any one person) \$10,000 PERSONAL & ADV INJURY \$5,000,000 GENERAL AGGREGATE \$5,000,000 PRODUCTS - COMP/OP AGG \$5,000,000 \$
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	<input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$ \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below						<input type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E L EACH ACCIDENT \$ E L DISEASE - EA EMPLOYEE \$ E L DISEASE - POLICY LIMIT \$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Re Town of Shutesbury Special Permit
See attached "Additional Remarks Schedule" for additional information

CERTIFICATE HOLDER Town of Shutesbury PO Box 276 Shutesbury MA 01072	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS
	AUTHORIZED REPRESENTATIVE <i>Beecher Carlson Insurance Services, LLC</i> Beecher Carlson Insurance Services, LLC

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AGENCY CUSTOMER ID. _____

LOC #: _____



ADDITIONAL REMARKS SCHEDULE

Page ____ of ____

AGENCY Beecher Carlson Insurance Services		NAMED INSURED DG Massachusetts CS 2021, LLC NextEra Energy, Inc NextEra Energy Resources, LLC 700 Universe Boulevard Juno Beach FL 33408-2657	
POLICY NUMBER		EFFECTIVE DATE	
CARRIER	NAIC CODE		

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,

FORM NUMBER 25 FORM TITLE Certificate of Liability (03/16)

HOLDER: Town of Shutesbury

ADDRESS PO Box 276 Shutesbury MA 01072

Re: Town of Shutesbury Special Permit.

Certificate Holder included as Additional Insured and Waiver of Subrogation applies except where not permissible by law as required by written contract, subject to policy terms, conditions and exclusions.

This insurance is primary and non-contributory over any existing insurance and limited to the liability arising out of the operations of the named insured and where required by written contract.

Severability of interest wording applies to the above policies

In the event of cancellation by the insurance company, the policy has been endorsed to provide 30 days Notice of Cancellation (except for non-payment) to the certificate holder.