DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOLAR DECOMMISSIONING PLAN

NOVEL ENERGY SOLUTIONS LLC

FOR

ME CHINA HASKELL 1 CSG LLC

SEPTEMBER 27, 2023

Prepared By:
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Novel Energy Solutions LLC
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1. Purpose

Maine Law requires developers of solar energy developments that occupy 3 or more acres to have an approved Solar Decommissioning Plan (the "Plan") and accompanying financial assurance sufficient to cover the cost of decommissioning as outlined in the Plan.

On behalf of ME China Haskell 1 CSG LLC, Novel Energy Solutions (NES) is pleased to submit the following Solar Decommissioning Plan for the proposed ME China Haskell 1 CSG solar energy facility (the "Facility") to be constructed in South China, Maine on Parmenter HIll Road. The lifecycle of the Facility is expected to be approximately 25 years. This Plan describes the process for decommissioning the Facility.

Decommissioning means the physical removal of all Facility components to a depth of at least 24 inches or to the depth of bedrock, whichever is less, to the extent such components are not otherwise in or proposed to be placed in productive use or otherwise authorized to remain in place by the Maine Department of Environmental Protection (MDEP). Decommissioning also includes grading to postconstruction grade and revegetation of all earth disturbed during construction and decommissioning, except for areas already restored.

2. Permitting

Prior to the start of construction, NES will submit the necessary permit applications to MDEP for Stormwater Management. In addition, any environmental permits required for site specific impacts (i.e., wetlands disturbances or steam crossings) will be submitted to the regulating agencies (MDEP/USACE). An Erosion and Sediment Control (ESC) Plan will also be developed for the proposed Project. This ESC plan shall be based on the Best Management Practices (BMP) outlined in the Maine Erosion and Sediment Control BMP guidelines document developed by the MDEP.

As noted in Section 7, financial assurance will be submitted at a later date. No construction activities shall occur until all necessary permits and documents are reviewed and approved by the regulating agencies.

3. Timeline

Decommissioning will occur at the end of the Facilities contract life, approximately 25 years. The Facilities decommissioning is estimated to take 60 days to complete. The decommissioning crew will ensure that all equipment is either recycled or disposed of properly.

4. Shutdown and Disconnection

Shut down of the Facility at all disconnect points (disconnect switch at step up transformer within the solar field and disconnect at utility interconnect yard switch gear).

5. Decommissioning Phases

The Facility will be decommissioned by completing the following major phases: Dismantlement, Demolition, Disposal, or Recycle, and Site Stabilization.

5.1 Dismantlement, Demolition, Disposal, or Recycle

A significant portion of the components that comprise the Facility will include recyclable or re-useable components. Due to the re-sale monetary value, these components will be dismantled, disassembled, and recycled rather than being demolished and disposed of.

- Modules: Modules will be inspected for physical damage, tested for functionality, and removed from the racking system. Functioning modules will be packed and stored for reuse (functioning modules can produce power for another 25+/- years.) Non-functioning modules will be packed, palletized, and recycled.
- Racking system: Racking will be separated from footing poles, sorted, and recycled.
- Posts: Steel posts will be removed, stacked, and recycled.
- Wire: Above-ground wire will be sent to a facility for proper disposal and/or recycling. Below-ground wire will be abandoned in place.
- Conduit: Above-ground conduit will be disassembled onsite and recycled.
- Junction boxes, combiner boxes, disconnect, and switch gear etc. will be recycled.
- Inverter and Transformer: Inverters and components will be sent to manufacturer and/or electronics recycler. Functioning components can be reused.
- Concrete pad(s): Concrete will be recycled.
- Fencing: Fencing will be disassembled, poles removed and sent to metal recycling facility. Gate motor and electrical components will be recycled.

- Access road Removal: Beginning at the property boundary, all gravel surfaces developed for the Project, including roadbed, hammerhead, and equipment pad area. Exposed surfaces will be replaced with topsoil or other material suitable for sustaining vegetative cover. The areas will be re-seeded with a mixture similar and compatible with the vegetation existing at the time of decommissioning.
- Environmental sensors: Sensors and mounting hardware will be recycled.
- Computers, monitors, hard drives, and other components: Equipment will be recycled or reused.

A final site walk through will be conducted to remove debris and/or waste generated during the decommissioning process and will include removal and proper disposal of any debris that may have been wind-blown to areas outside the immediate footprint of the Facility. Sanitary facilities will be provided on-site for works performing the decommissioning of the Facility.

5.2 Site Stabilization

The areas of the Facility that are disturbed during decommissioning will be stabilized in accordance with best engineering practices and/or landowner preference (e.g., grading, mulching and/or seeding). The decommissioning process is estimated to take approximately eight to twelve weeks and would be intended to occur outside the winter construction season.

- Revegetation: At the time of decommissioning, the soil will have regenerated for 25 years. All disturbed soil will be revegetated with a pollinator mix or the field will be disced and replaced with topsoil.
- Farmland: For any portion of the solar energy development located on land classified as farmland decommissioning means the physical removal off all components of the development to a depth of at least 48 inches or to the depth of bedrock, whichever is less, and for the restoration of the farmland sufficient to support resumption of farming or agricultural activities.

6. Decommissioning Cost

The cost of decommissioning is lower than the salvage value of the materials. However, NES will provide a Performance Bond in the amount of $78,576.92 per 35-A M.R.S § 3494 in Solar Decommissioning Law.

The estimated costs for decommissioning the Facility are provided in the table below.

Project Size: 0.975 KW AC	
Task	**Cost**
Remove Modules	$ 15,489.80
Disassemble Racking	$ 5,718.50
Remove Piles	$ 13,276.59
Remove Concrete Piles	$ -
Remove Wire	$ 8,306.26
Remove Conduit	$ 1,661.25
Remove Switchgear/Boxes	$ 1,213.25
Remove Inverters	$ 1,078.45
Remove Transformers	$ 1,866.06
Remove Concrete Pad	$ 1,067.82
Remove Poles and Equipment	$ 1,859.63
Remove Perimeter Fence	$ 3,101.20
Remove Access Road	$ 3,346.75
Grade Disturbed Areas	$ 674.03
Re-Seed	$ 1,852.14
Mobilize/Demobilize	$ 1,830.93
General Conditions	$ 6,234.27
Per Diem	$ 10,000.00
Total Cost	**$ 78,576.92**
Total cost after 25yrs at 2.5% inflation rate per/yr.	**$ 145,677.22**

7. Financial Assurance

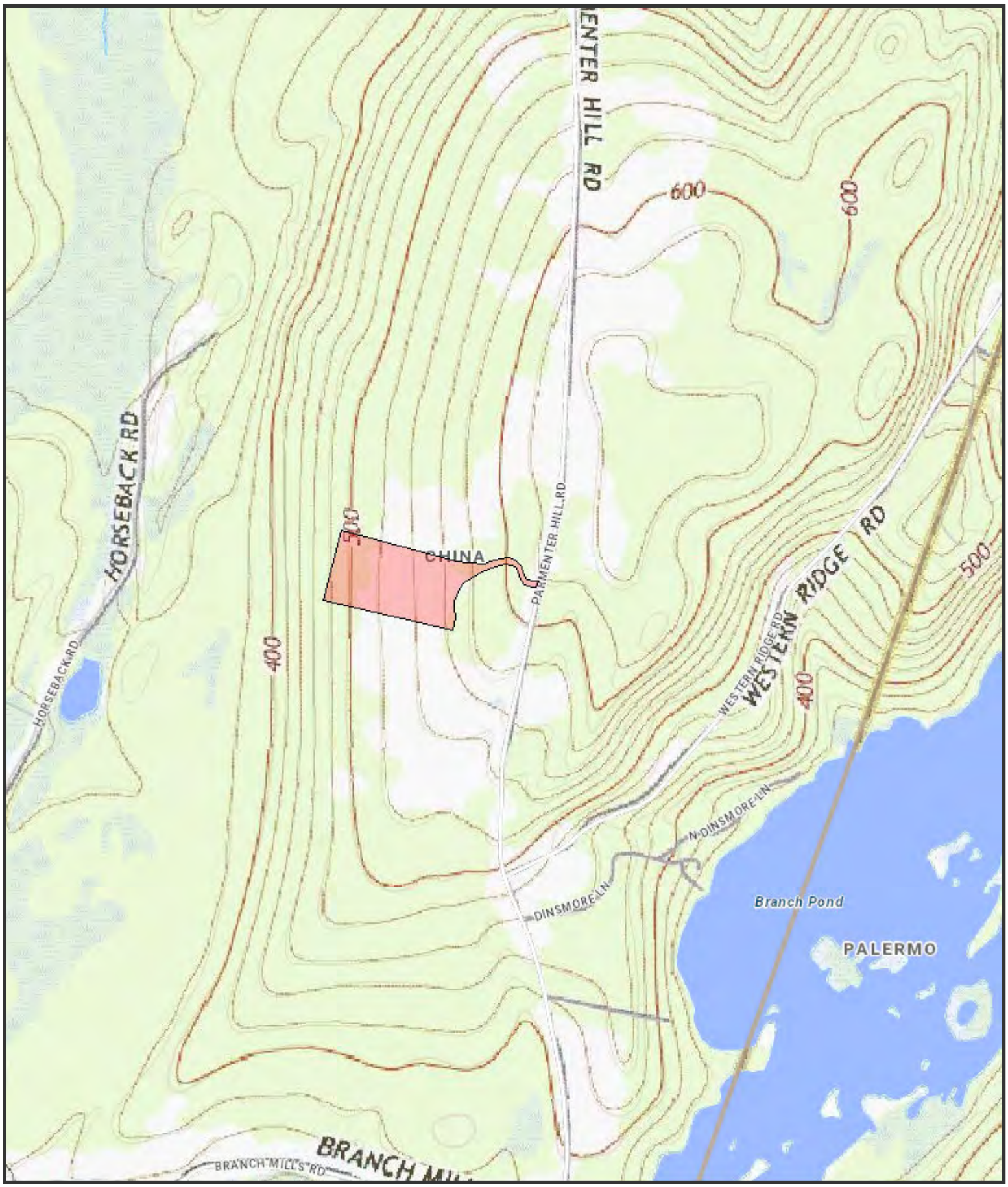
Prior to the start of construction, the Applicant will submit financial assurance to MDEP for review and approval in the form of a performance bond, surety bond, of letter of credit. Because the Applicant will obtain MDEP approval of the financial assurance proposal prior to the start of construction, the Applicant has demonstrated its current and future financial capacity, which is unaffected by the owner's or operator's future financial condition, to fully fund the decommissioning in accordance with the decommissioning plan.

8. Attachments

The following documents are attached:

- USGS Topo Map, Overall Site Plan, directions to site
- Letter of Corporate Standing

ME CHINA HASKELL 1 CSG - TOPO MAP

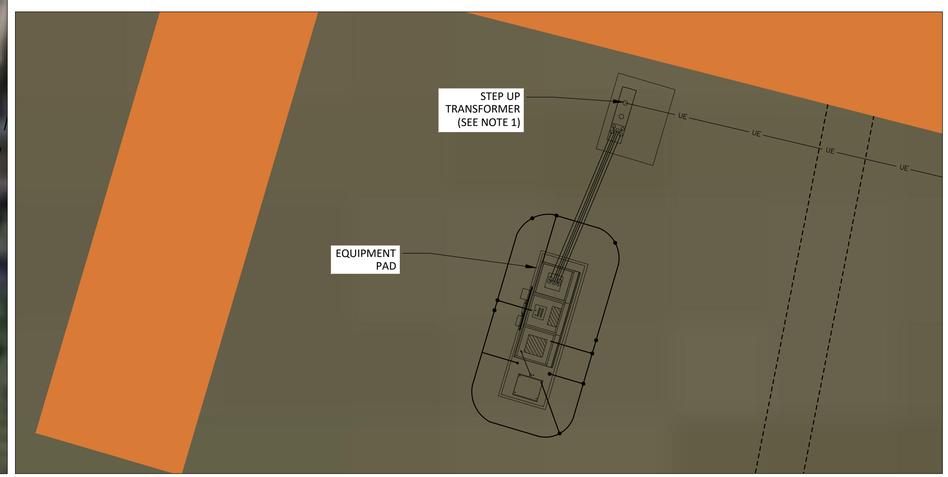


0.2
Miles
1 inch = 0.24 miles

Date: 2/1/2023
Time: 1:13:21 PM

1 E100 **SITE PLAN**
SCALE: 1"=120'

2 E100 **OVERALL VIEW**
SCALE: 1"=120'



3 E100 **EQUIPMENT PAD**
SCALE: 1:8

PROJECT SUMMARY

DC SYSTEM SIZE:	1,353,690 WATTS
AC SYSTEM SIZE:	975,000 WATTS
MODULES TYPES:	WAAREE AHNAY BIFACIAL MODULES 445W (BI-31-445)-445W
TOTAL # OF MODULES:	3042
TOTAL # OF STRINGS:	117
MODULES PER STRING:	26
INVERTER TYPE:	7-CHINT POWER 125kWAC 1-CHINT POWER 125kWAC(DERATED TO 100KWAC)
TOTAL # OF INVERTERS:	8
TOTAL # OF TRACKERS:	30
MODULES PER TRACKER:	78/104
ROW-ROW SPACING:	36 FT

PROJECT INFORMATION

CUSTOMER:
ME CHINA HASKELL 1 CSG LLC

SITE ADDRESS:

44.422998, -69.480053
PID: 45-005-A

NOTES

1. TRANSFORMER PRECAST PAD OR POURED IN PLACE CONCRETE PAD INSTALLED BY CUSTOMER. SEE AND USE CMP STANDARD FOR ELECTRICAL INSTALLATION AND USE.

2. NES TO INSTALL TRANSFORMER FOUNDATION, LOW VOLTAGE CABLE, AND LV AND MV CONDUITS. CMP TO INSTALL MV UNDERGROUND CONDUCTORS, POLES AND ASSOCIATED HARDWARE, AND OVERHEAD DISTRIBUTION LINE.

3. ACCESSIBLE, LOCKABLE DISCONNECT WITH VISIBLE BLADES SHALL BE BY THE ROAD PAST THE CUSTOMER FENCE .

4. 24/7 UNESCORTED KEYLESS ACCESS SHALL BE PROVIDED TO ALL CMP POWER EQUIPMENT

5. OVERHEAD ELECTRIC FACILITIES ARE NOT EXPECTED TO HAVE ANY CLEARANCE CONCERNS

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Client
CHINA HASKELL 1

Project
ME CHINA HASKELL 1 CSG LLC-975KWAC

Location
44.422998, -69.480053

Certification

STATE OF MAINE
JONATHAN CALVA
No. 17682
PROFESSIONAL ENGINEER
LICENSED

03/17/2023

Summary

Designed: VVB
Drawn: VVB
Approved: VDS
Book / Page: IC
Phase: PERMITTING
Initial Issue: 3/2/2022

Revisions

No.	Date	By	Chk	Description
1	3/14/23	MHK	JC	UPDATED TO SAT FROM DAT

Sheet Title
OVERALL SITE PLAN

Sheet No.
E100

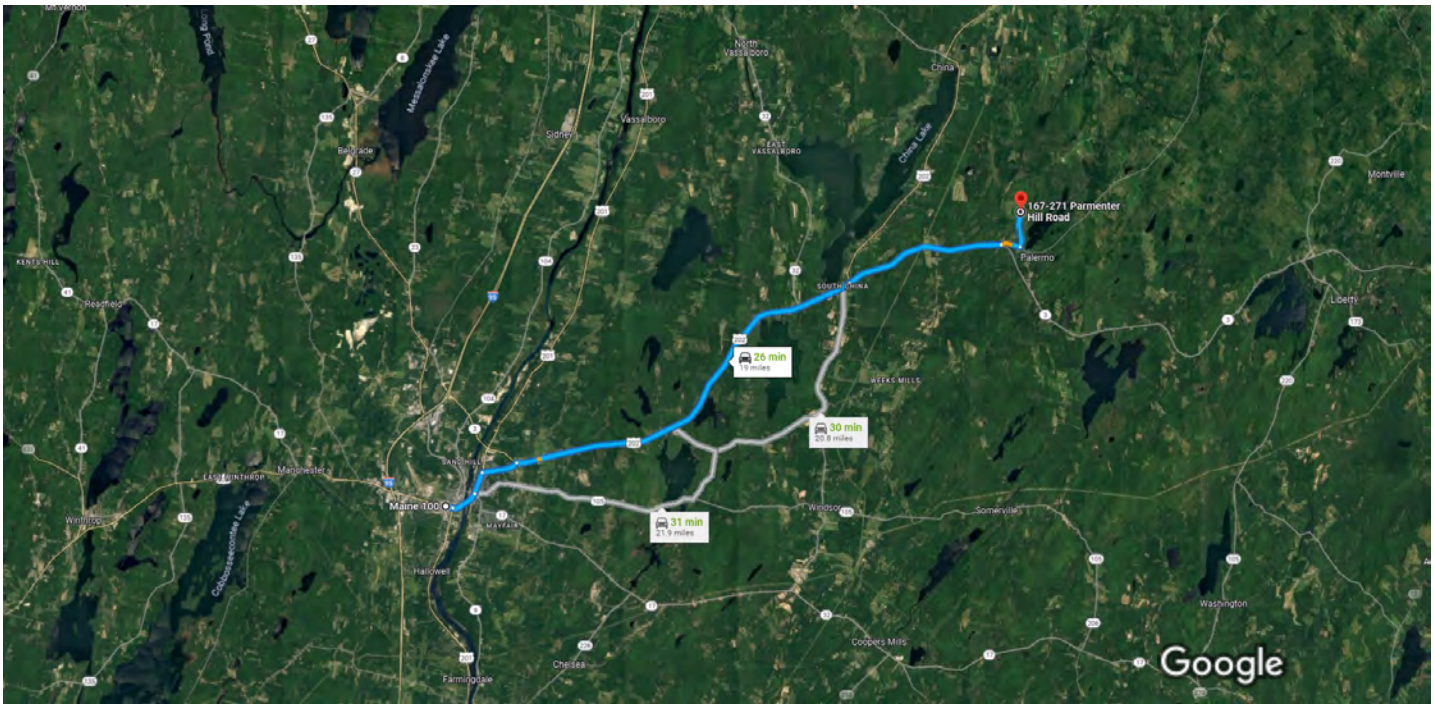
Project No. CHSK1

Mar 14, 2023 - 8:53am - CHSK1_IC.dwg

Google Maps

ME-100, Augusta, ME 04330 to 167-271 Parmenter Hill Rd, China, ME 04358

Drive 19.0 miles, 26 min



Imagery ©2023 Google, Imagery ©2023 TerraMetrics, Map data ©2023 2 mi

via US-202 E — 26 min
Fastest route now due to traffic conditions — 19.0 miles

via US-202 E/N Belfast Ave — 30 min
20.8 miles

via ME-105 E/S Belfast Ave and US-202 E — 31 min
21.9 miles

Explore nearby 167-271 Parmenter Hill Rd

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MAINE
Department of the Secretary of State
Bureau of Corporations, Elections and Commissions

Corporate Name Search

Information Summary

Subscriber activity report

This record contains information from the CEC database and is accurate as of: Tue Sep 26 2023 12:22:47. Please print or save for your records.

Legal Name	Charter Number	Filing Type	Status
ME CHINA HASKELL 1 CSG LLC	20234500DC	LIMITED LIABILITY COMPANY (DOMESTIC)	GOOD STANDING

Filing Date	Expiration Date	Jurisdiction
06/24/2022	N/A	MAINE

Other Names **(A=Assumed ; F=Former)**

NONE

Clerk/Registered Agent

COREY RINK
BUILDING 7220-125 KANSAS ROAD
LIMESTONE, ME 04750

New Search

Click on a link to obtain additional information.

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