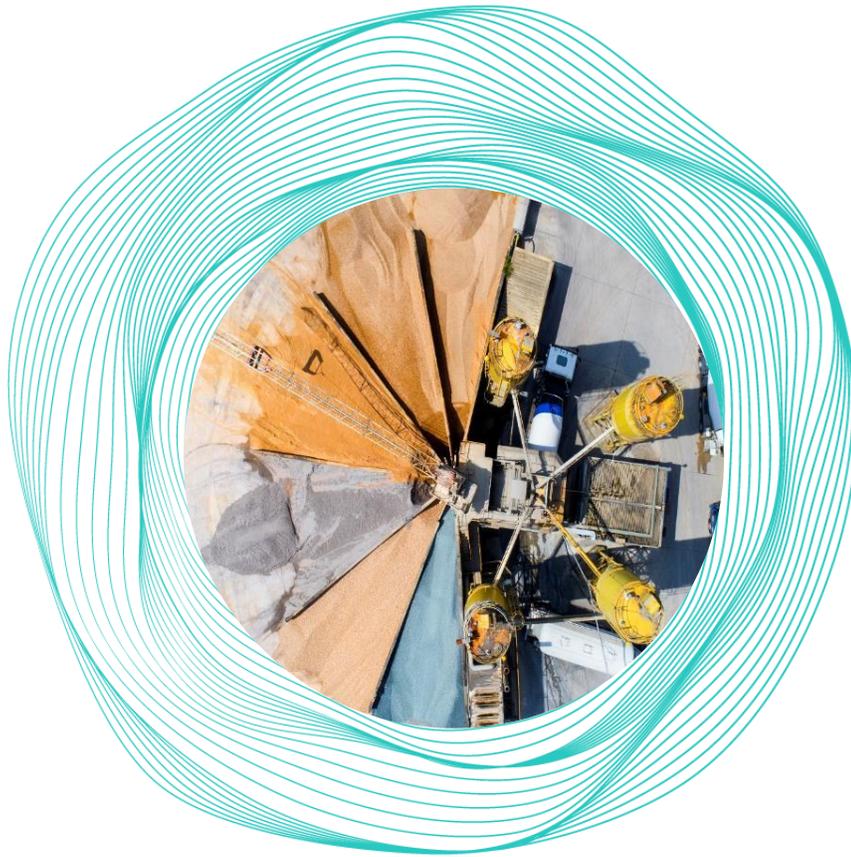


SPRUCE GROVE SOLAR STL INC.

Spruce Grove - Solar Plant Application

Document no. 417070-00070-ADV-SGS-EN-REP-0012
AUC Proceeding no. 28728



28 March 2024

1104-70th Avenue N.W.
Edmonton, AB T6P 1P5
Canada

T: +1 720 468 2533
Worley Canada ULC

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PROJECT 417021-00070 - 417070-00070-ADV-SGS-EN-REP-0012: AUC Rule 007 - Spruce Grove South Solar PV Plant Application

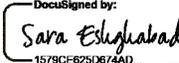
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List of Acronyms

Table 1-1: List of Acronyms

Acronym/abbreviation	Definition
ACO	Aboriginal Consultation Office
ACSR	Aluminum Conductor Steel Reinforced
AEPA	Alberta Environment and Protected Areas (formerly Alberta Environment and Parks [AEP])
AEPA-FWS	Alberta Environment and Protected Areas – Fish and Wildlife Stewardship
AEPA-WM	Alberta Environment and Protected Areas – Wildlife Management
AESO	Alberta Electric System Operator
AIES	Alberta Interconnected Electric System
AR	Alberta Regulation
AUC	Alberta Utilities Commission
BTF	Behind The Fence
DF	Distribution Facility
c.	Chapter
DFO	Distribution Facility Owner
ECCC	Environment and Climate Change Canada
EIA	Environmental Impact Assessment
EPEA	<i>Environmental Protection and Enhancement Act</i>
ERP	Emergency Response Plan
ESRD	Environment and Sustainable Resource
FAA	Federal Aviation Administration
ft	Feet
GOA	Government of Alberta
GOC	Government of Canada
GW	Gigawatt
HRA	<i>Historical Resources Act</i>
IAA	<i>Impact Assessment Act</i>
IAAC	Impact Assessment Agency of Canada
ISO	Independent System Operator
km	Kilometer
kV	Kilovolt
kVA	Kilovolt-amperes
kWac	Kilowatt Alternating Current
LAIRT	Landscape Analysis Indigenous Relations Tool
m	Meters
mm	Millimeter

Acronym/abbreviation	Definition
MV	Medium Voltage
MVA	Megavolt Amperes
MVAR	Megavolt Ampere of Reactive Power
MW	Megawatts
MWac	Megawatts Alternating Current
MWdc	Megawatts Direct Current
NA	Not Applicable
NIA	Noise Impact Assessment
PIP	Participant Involvement Program
PSIP	Project Specific Information Package
PV	Photovoltaic
REO C&R	Renewable Energy Operations Conservation and Reclamation Plan
ROW	Right-of-way
RPATH	Roadside Planning and Application Tracking Hub
R.S.A.	Revised Statutes of Alberta
R.S.C	Revised Statutes of Canada
SA	Statutes of Alberta
SARA	<i>Species at Risk Act</i>
SGHAT	Solar Glare Hazard Analysis Tool
SLD	Single Line Diagram
SP	Solar Plant
TC	Transport Canada
TF	Transmission Facility
TFO	Transmission Facility Owner
TS	Transmission/Substation
TWP	Township
VAC	Volts Alternating Current
VC	Valued Component
VT	Voltage Transformer
W	Watt
Wp	Watt Peak



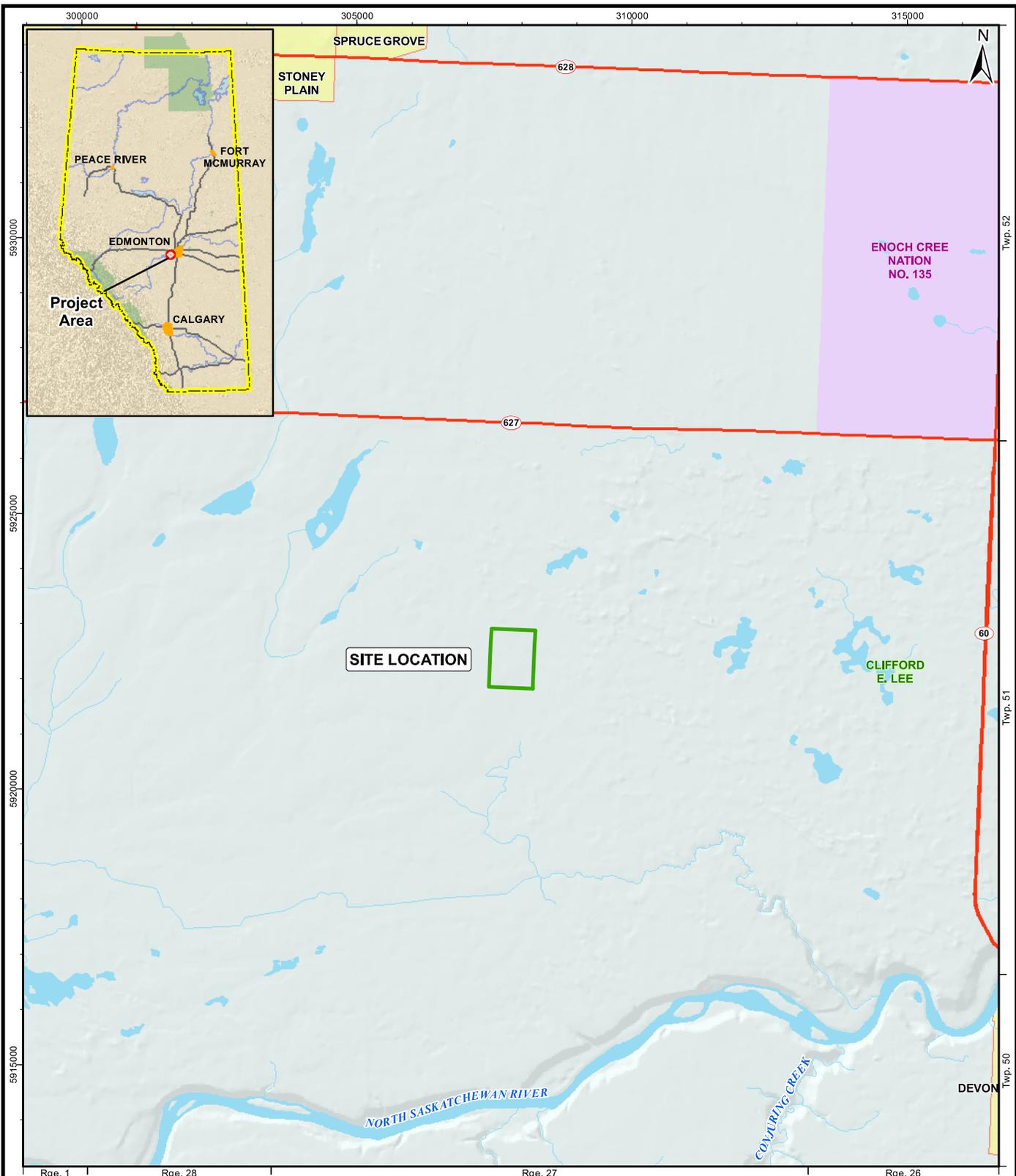
1. Project Overview

Spruce Grove 1 Solar STL Inc. (the Proponent) is submitting this Solar Power Plant (SP) application and Interconnection (IC) application to the Alberta Utilities Commission (AUC or Commission) in accordance with section 11 and 18 of the *Hydro Electric and Energy Act* (HEEA). The Proponent is seeking approval to construct and operate a solar power generating facility with 23.5 megawatts of alternating current (MWac) capacity, produced from ground-mounted solar photovoltaic (PV) panels (Spruce Grove South Solar PV Plant), located in Parkland County, Alberta. The facility will be connected to the Alberta Interconnected Electric System (AIES) (the Project).

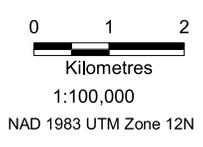
The Proponent has an application in progress with the Alberta Electric System Operator (AESO) for standard connection to the AIES. Power will be marshalled to an existing 25 kilovolts (kV) distribution line (line 2243L) which ultimately connects to the Acheson Substation (305S) for interconnection to the AIES. This is a behind the fence (BTF) Project with Fortis Alberta, the Distribution Facility Owner (DFO), acting as the Market Participant. The Project area is approximately 14 km south of the city of Spruce Grove and 8 km north of the North Saskatchewan River, sited on privately owned land located at SE-22-51-27-W4M and NE-22-51-27-W4M (see **Figure 1-1**). The proposed design intends to utilize bifacial solar modules for improved efficiency and greater generation.

The Proponent retained Worley Canada Construction, a subsidiary of Worley Canada Services Ltd., to consult on the Project. The Scope of Work included, but was not limited to: facility technical design, interconnection design, regulatory approvals, environmental studies, required assessments and approvals, and a Participant Involvement Program (PIP).

The Proponent is requesting approval from the AUC no later than September 30, 2024 to accommodate the proposed construction schedule. If approved by the AUC, the proposed Project will deliver carbon-free electricity to Albertans, create contracting and business opportunities, and generate income for local government through taxes.



 Site Location



SPRUCE GROVE 1 SOLAR STL INC.
SPRUCE GROVE SOUTH SOLAR PV PLANT

SITE LOCATION

 	Date: 29-FEB-24	Drawn by: S.C.	Edited by: S.C.	App'd by: ..
				Project No. 417021-00070
			FIG No Figure 1-1	REV B

This drawing is prepared solely for the use of our customers as specified in the accompanying report. Worley Canada Services Ltd. assumes no liability to any other party for any representations contained in this drawing.

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2. Power Plant Application

2.1 Project Description

SP1

State the approvals that are being applied for from the AUC and describe the power plant and collector system, including the number of solar photovoltaic panels and their make, model and the nominal capability of each solar photovoltaic panel in MW and the total capability of the power plant in MW. If the vendors have not been selected or the equipment has not been finalized, provide:

- **The total capability of the power plant in MW.**
- **The anticipated type and number of solar modules, the physical dimensions of the solar array and the type of solar tracking system, if applicable.**

The Proponent is requesting approval in accordance with section 11 and 18 of the *Hydro and Electric Energy Act* (HEEA), to construct and operate the Project located 11 km south of the city of Spruce Grove, Alberta and connect to the AIES.

The proposed solar photovoltaic facility will be designed to generate 34.7-megawatts direct current (MWdc) from the panels and deliver 23.5-MWac of power to the grid. Bifacial solar modules are proposed for improved efficiency and greater generation per unit of land area. Preliminary design is based on 645-watt (W) panels, giving a total count of 53,760 panels (est.), connected to 8 on-site inverter units (each at 3600 kilovolt amps [kVA]). The panels will be supported on a fixed-tilt racking system on either pile foundations or ballasted system (to be determined during detail design).

Equipment selected for the preliminary design included Vikram Solar Prexos Series 12 (645Wp) solar panels and Sungrow SG3600UD-MV (3600 kVA) inverters. The layout included in this application shows the solar array with panel angle at 30 degrees. The physical dimensions of the solar array associated with the 30-degree tilt include a maximum height of approximately 4.5m (14.5ft) for panels and ground clearance of panels of at least 0.8m from ground. The face of the panels on the rack is approximately 4.8m, which projects to a width on the ground of approximately 4.2m because the panels are set at a 30-degree tilt from the horizontal.

In the solar field, the low voltage cabling from the panels to the inverter stations will be hung from hangers that are supported by the racks. Underground cables are only expected for crossing accessways, which is primarily around inverters, and some rack-to-rack points to allow better access.

The medium voltage cabling from the inverter stations to the plant collector station will be supported off overhead poles. The last short segment of the medium voltage cabling into the collector station is planned to be underground to facilitate perimeter access around the collector station. The overhead pole design is shown on the layout included in this application. Poles are between 11.7 – 13.1 m (38.5 – 43 feet) high above ground elevation.



The proposed collector station for the Project will be located around the northeast corner of the site, as shown in **APPENDIX B-1** (Site General Arrangement Drawing). Power from the Project will be transmitted from the collector station to the 25kV Distribution Line 2243 using an overhead connection. Any required scope/applications outside the solar fence line are by Others (DFO/Fortis).

There is no battery storage component for this Project.

SP2

Provide a list of existing approvals for facilities directly affected by this project, if any.

There are no existing AUC approvals for facilities located within the project boundary, therefore there are no existing AUC approvals that will be directly affected by the Project.

SP3

Provide details of the project ownership structure, including the names of all companies having an ownership interest in the project and their ownership share, and if applicable, the name of the project operator. Confirm that the applicant is a qualified owner.

As per Section 23 of the Alberta HEEA, Spruce Grove 1 Solar STL Inc. confirms that they are the applicant in this proceeding and will be the qualified owner of the Project.

Spruce Grove 1 Solar STL Inc. is a joint venture⁷ wherein CanWest Solar Development Corp. (CanWest) holds a 25% interest, and the majority of the ownership of 75% is attributed to Starlight Energy LP (Starlight). CanWest is a local project developer who initiated the Project at this site, in conjunction with the landowner to build a solar farm that delivers clean renewable power to the grid. CanWest has partnered with Starlight to form Spruce Grove Solar 1 STL Inc. and execute the Project. Starlight is a member of the UK-based NextEnergy Group, with representatives based in Alberta and more than US\$3.9 billion in renewable assets across over 10 countries. Their global portfolio has over 400 solar plants with a photovoltaic capacity of more than 1.5 GW, making it the fourth largest solar asset owner in Europe. This joint venture is committed to utility-scale projects that can deliver socially and environmentally responsible clean renewable energy to Albertans.

Spruce Grove 1 Solar STL Inc. is registered with the Alberta Corporate Registry and has been issued business number (715345906) by Canada Revenue Agency.

Please refer to the following appendices for additional details:

- **APPENDIX A-1** (Alberta Corporate Registration)
- **APPENDIX A-2** (Notice of Address Change – *Business Corporations Act*)



SP4

For a municipality or a subsidiary of a municipality to hold an interest in a generating unit, provide documentation confirming compliance with Section 95 of the Electric Utilities Act.

Spruce Grove 1 Solar STL Inc. is a privately owned entity and therefore there is no section 95 requirement for the proposed Project.

SP5

Describe the location of the project:

- **Provide the legal description of the proposed power plant site (legal subdivision [LSD], section, township, range, meridian and/or plan, block, lot, municipal address for urban parcels) and connection point, if applicable.**

The Project is located on two parcels of privately-owned agricultural land, south of the City of Spruce Grove, Alberta within the jurisdiction of Parkland County. The legal land descriptions of the parcels are SE-22-51-27-W4 and NE-22-51-27-W4.

Please refer to **APPENDIX B-2** (Map of Project Location) for detailed location and legal land description of the Project.

- **Provide a Keyhole Markup Language (.kml/.kmz) file that contains the geographic data of each of the major components, including substation locations and project boundary of the proposed power plant. This file should reflect the information shown on the drawings and maps submitted to address information requirement SP6.**

Please refer to **APPENDIX B-3** (Project KMZ).

SP6

Provide the following drawings and maps with units of measure/scale and the direction of north specified:

- A legible plant site drawing showing the solar array, collector substations, collector lines and access roads and the power plant site boundary.**

- Please refer to **APPENDIX B-4** (Overall Site Map).

- Legible maps showing:**

- **The power plant site boundary.**
- **Land ownership of surrounding lands, including any residences and dwellings within the notification radius described in Appendix A1 – Participant involvement program guidelines, Table A1-1: Electric facility application notification and consultation requirements.**
- **Neighboring municipalities, First Nation reserves, Metis Settlements, including nearby roads, water bodies and other landmarks that may help identify the general**

location of the project area. This map may be at a larger scale than the detailed maps provided in response to other information requirements.

- **All registered aerodromes and any known unregistered aerodromes within 4,000 meters of the edge of the proposed power plant site boundary.**
- **Important environmental features and sensitive areas in the local study area.**
- **Any additional energy-related facilities within the project area.**
- **The proposed collector line route or routes, and major land use and resource features (e.g., vegetation, topography, existing land use, existing rights-of-way). This information should also be provided in air photo mosaics.**

Please refer to **Table 2-1** below for a list of Project maps and drawings (**APPENDICES B-1 to B-10**) which address the requirements above. Note that no environmental features (e.g., raptor nests, leks, hibernacula, dens, etc.) were detected within the project boundary or applicable buffer during field surveys. Additionally, while sensitive ranges for sharp-tailed grouse and a sensitive raptor species (bald eagle) overlapped the project area, these overlaps were complete and included the entire footprint and surrounding area for several kilometers, as such they are not included in the site map as their inclusion would be of minimal utility in demarcating sensitive boundaries. Two semi-permanent marshes (Class IV) and one seasonal wetland (Class III) either overlapped the Project Area or fell within the 100 m buffer of the project area (see **Appendix B-8**). These features received a 100m buffer in accordance with the Wildlife Directive for Alberta Solar Energy Projects (Government of Alberta [GOA], 2017). Ten other ephemeral waterbodies (Class I), and temporary marshes (Class II) fell within the Project Area or nearby area; these features were not buffered though, as per the Wildlife Directive for Alberta Solar Energy Projects (GOA 2017). Several See **Table 2-1** below for further details.

Table 2-1: List of Project Maps and Drawings: Solar Power Plant Application

AUC Requirement	Map/Drawing Description and Location
Provide a legible plant site drawing showing the solar array, collector station, collector lines and access roads and the power plant site boundary.	APPENDIX B-1 (Site General Arrangement Drawing) APPENDIX B-4 (Overall Site Map)
Legible map showing the power plant site boundary.	APPENDIX B-5 (Map of Power Plant Boundary)
Legible map showing land ownership of surrounding lands, including any residences and dwellings within the notification radius described in Appendix A1 – Participant involvement program guidelines, Table A1-1: Electric facility application notification and consultation requirements.	APPENDIX B-6 (Map of Landowners)
Legible map showing neighboring municipalities, First Nation reserves, Metis Settlements, including nearby roads, water bodies and other landmarks that may help identify the general location of the project area. This map may be at a larger scale than the detailed maps provided in response to other information requirements.	APPENDIX B-2 (Map of Project Location)
Legible map showing all registered aerodromes and any known unregistered aerodromes within 4,000 meters of the edge of the proposed power plant site boundary.	APPENDIX B-7 (Map of Aerodromes)

AUC Requirement	Map/Drawing Description and Location
Legible map showing important environmental features and sensitive areas in the local study area.	APPENDIX B-8 (Map of Habitat Land Cover) Additionally, the Project area falls within sharp-tailed grouse and sensitive-raptor (bald eagle) range. These ranges cover the entire Project area and surrounding buffers. Sensitive species surveys were conducted for these species following the Sensitive Species Inventory Guidelines (ESRD 2013a). No active wildlife features were noted for either species. For more details on the wildlife and nest surveys conducted for the Project, please refer to APPENDIX E-1 (Environmental Evaluation)
Legible map showing any additional energy-related facilities within the project area.	APPENDIX B-9 (Map of Energy Related Facilities)
Legible map showing the proposed collector line route or routes, and major land use and resource features (e.g., vegetation, topography, existing land use, existing rights-of-way). This information should also be provided in air photo mosaics.	APPENDIX B-1 (Site General Arrangement Drawing) APPENDIX B-8 (Map of Habitat Land Cover) APPENDIX B-10 (Proposed Preliminary Single Line Diagrams [SLD])

SP7

Provide the requested approval date from the Commission, the expected construction start date, the expected in-service date of the project and the requested construction completion date to be used in the project approval. Provide the rationale for these dates.

The requested approval date, project timeline, and rationales are provided in **Table 2-2** below.

Table 2-2: Project Timeline

Activity	Expected/Requested Date	Rationale
Requested Approval Date	August 31, 2024	Six month review period from AUC submission.
Expected Construction Start Date	May 01, 2025	Based upon sufficient completion of the detailed engineering and procurement activities needed to start construction.
Expected Construction Completion Date	May 1, 2026	Assumed 1 year construction period based on expected current procurement cycles, construction durations, and previous project experience.
Expected In-service Date	May 1, 2026	Based on expected current procurement cycle cycles and construction activities to be performed by the DFO.
Commercial Operation Date	August 1, 2026	Assumes 3 months for Commissioning and Completions after the plant has been constructed and the DFO has completed the grid tie-in.



2.2 Project Connection

SP8

If a connection order is not concurrently being applied for, provide the expected date when the connection order application will be submitted.

A Connection Order is being applied for concurrently with this application.

SP9

Provide the asset identification code assigned by the independent system operator (ISO) and the ISO Project ID number related to your system access service request, if available.

Asset Identification Code: The AESO has not yet issued an asset identification code for the Project.

ISO Project Number: P2825

SP10

If the power plant is to be connected to the transmission system, provide a map with one or more conceptual layouts showing possible routes and general land locations for facilities that would be used to interconnect the power plant to the Alberta Interconnected Electric System. If the power plant is to be connected to the distribution system, provide a statement from the distribution facility owner indicating that it is willing to connect the generating facilities.

The Project will not be directly connected to the transmission system. The Project will be connected to Fortis Power Distribution System. Power will be marshalled into the existing distribution line (2243L) that runs on the east side of the property along Range Road (RR) 272. Preliminary Interconnection studies indicate adequate facilities for tie-in of the proposed PV plant.

Please refer to **APPENDIX A-3** (Fortis Letter of Non-Objection) for confirmation of the DFO's willingness to connect the project to the generating facility.

2.2 2.3 Emergency Response Plan

SP11

Confirm the applicant has or will have a corporate or site-specific emergency response plan for the construction and operation of the proposed power plant. If the applicant will have a corporate emergency response plan, please explain why it decided not to develop a site-specific emergency response plan.

The Proponent confirms that a site-specific emergency response plan (ERP) for the construction of the Project has been prepared, please refer to **APPENDIX C-1** (Construction Emergency Response



Plan). It should be noted that there are several reference documents mentioned throughout the Construction ERP which will be developed closer to the start of construction. Additionally, the contact details of key personnel will be determined prior to the start of construction and the Construction ERP will be updated accordingly at that time.

A site-specific Operational ERP will be prepared in a similar format with similar content and filed with the AUC as soon as it is complete, but at least 90 days prior to the start of construction. This will be compiled and submitted once the final equipment and layout have been selected and specific manufacturer information is available so that accurate required emergency response requirements and procedures can be incorporated.

SP12

Provide a summary of the following:

- **The site-specific risks (construction phase and operations phase) that have been identified to date.**
- **The emergency mitigation measures that have been identified.**
- **The site monitoring and communication protocols that will be put into place.**

The site-specific Construction ERP includes a summary of the information requested above. Please refer to **APPENDIX C-1**.

As noted in the preceding SP11 response, the Operational ERP will be drafted once the equipment and layout are finalized. Operational ERP will be drafted to include the items listed above. It is expected that the majority of the Operation Phase risks will be very similar in nature to those included in the Construction ERP as will the corresponding emergency mitigation measures.

SP13

Confirm that local responders and authorities have been contacted or notified regarding the project emergency response plan. Describe any requirements or feedback received and describe how the applicant intends to address the requirements and feedback received.

The Proponent contacted local responders and discussed the Construction ERP provisions. The Proponent received the necessary contact information which has been incorporated into the ERP. No other feedback or specific requirements were requested by local responders or authorities. Please refer to **APPENDIX C-1**.

A similar approach will be undertaken with the Operational ERP once prepared.

2.3 2.4 Solar Glare Assessment

SP14

Submit a solar glare assessment report that predicts the solar glare at receptors within 800 meters from the boundary of the project and registered aerodromes and known unregistered aerodromes within 4,000 meters from the boundary of the project where the potential for glare is possible. The assessment report must:

- **Describe the time, location, duration and intensity of solar glare predicted to be caused by the project.**
- **Describe the software or tools used in the assessment, the assumptions and the input parameters (equipment-specific and environmental) utilized.**
- **Describe the qualification of the individual(s) performing the assessment.**
- **Identify the potential solar glare at critical points along highways, major roadways and railways.**
- **Identify the potential solar glare at any registered and known unregistered aerodromes within 4,000 meters from the boundary of the project, including the potential effect on runways, flightpaths and air traffic control towers.**
- **Include a map (or maps) identifying the solar glare receptors, critical points along highways, major roadways and railways and aerodromes that were assessed.**
- **Include a table that provides the expected intensity of the solar glare (e.g., green, yellow or red) and the expected duration of solar glare at each identified receptor, critical points along highways, major roadways and railways and any registered and known unregistered aerodromes.**

A Glint & Glare Assessment of the solar PV array was conducted for the Project to assess the potential solar glare at receptors within 800m and registered aerodromes and known unregistered aerodromes within 4,000m of the Project boundary. The Glint and Glare Assessment complies with the 2021 U.S. Federal Aviation Administration (FAA) Policy, specifically employing a Solar Glare Hazard Analysis Tool (SGHAT) for all instances of glare.

The Glint and Glare Assessment considers the Project's visual impact on registered and unregistered aerodromes, all main roadways, intersections, dwellings, and structures in the study area. GlareGauge, a ForgeSolar software that calculates glint and glare impact, was used for the assessment. This software is approved by the FAA and provides a clear statement on whether the facility passes the FAA glint and glare regulations.

There are no known registered or unregistered aerodromes within 4,000 m of the Project boundary.

For the full results of the Glint and Glare study, please refer to **APPENDIX C-2** (Glint & Glare Assessment).

2.4 2.5 Environmental Information

SP15

If preparation of either a federal impact assessment or a provincial environmental impact assessment report was required, provide a copy as an appendix to the application and a separate environmental evaluation is not required. If a federal impact assessment or a provincial impact assessment report was not required, submit an environmental evaluation of the project. The environmental evaluation must:

- **Describe the present (pre-project) environmental and land use conditions in the local study area.**
- **Identify and describe the project activities and infrastructure that may adversely affect the environment.**
- **Identify the specific ecosystem components (i.e., terrain and soils, surface water bodies and hydrology, groundwater, wetlands, vegetation species and communities, wildlife species and habitat, aquatic species and habitat, air quality and environmentally sensitive areas) within the local study area that may be adversely affected by the project.**
- **Describe any potential adverse effects of the project on the ecosystem components during the life of the project.**
- **Describe the methodology used to identify, evaluate and rate the adverse environmental effects and determine their significance, along with an explanation of the scientific rationale for choosing this methodology.**
- **Describe the mitigation measures the applicant proposes to implement during the life of the project to reduce the potential adverse effects.**
- **Describe the predicted residual adverse effects of the project and their significance after implementation of the proposed mitigation.**
- **Describe any monitoring activities the applicant proposes to implement during the life of the project to verify the effectiveness of the proposed mitigation.**
- **List the qualifications of the individual or individuals who conducted or oversaw the environmental evaluation.**

The Proponent contacted Alberta Environment and Protected Areas (AEPA, formerly Alberta Environment and Parks [AEP]) for a determination on whether a provincial Environmental Impact Assessment (EIA) would be required. On August 19, 2022, the Proponent received a determination of "No EIA Required" since the Project is not a mandatory activity for the purposes of an environmental assessment described in Schedule 1 of the Environmental Assessment (Mandatory Exempted Activities) Regulation (AR 111/1993), under the *Environmental Protection and Enhancement Act* (EPEA). Please refer to **APPENDIX E-2** (AEPA Letter of EIA Determination).

The Proponent has also confirmed with AEPA that solar power plants are not listed in the Activities Designation Regulation (276/2003) and therefore an industrial EPEA approval is not required for the Project.



Additionally, the Proponent contacted the Impact Assessment Agency of Canada (IAAC) to determine if a federal impact assessment would be required. On August 30, 2022, IAAC determined the Project does not meet the definition of a designated project as described in the Schedule of the Physical Activities Regulations (SOR/2019-285) under the *Impact Assessment Act* (S.C. 2019, c. 28, s. 1), and therefore a federal impact assessment is not required. Please refer to **APPENDIX E-3** (IAAC Email of Federal Impact Assessment Determination).

Please also note that the original provincial and federal EIA determinations (**APPENDIX E-2** and **APPENDIX E-3** respectively) listed CanWest as the Proponent of the Project. On December 22, 2022, the Proponent emailed AEPA to notify of the Proponent's legal name change to "Spruce Grove 1 Solar STL Inc." On January 25, 2023, AEPA confirmed the Proponent name change did not affect the original determination since there were no other changes to the Project other than the Proponent's name. For further confirmation, refer to **APPENDIX E-4** (AEPA Confirmation of Proponent Name Change).

The Environmental Evaluation (EE) (**APPENDIX E-1**) was prepared to fulfil the requirements SP15, SP17, SP18, and SP22 of AUC Rule 007 for the Project. The EE provides an assessment of the risks posed to wildlife and the environment as a result of the Project based on a comprehensive set of environmental surveys and studies that were undertaken using a standardized environmental assessment approach. The assessments were completed in accordance with the Wildlife Directive for Alberta Solar Energy Projects (GOA 2017). A summary of the results of these surveys was provided separately for review by AEPA as part of the renewable energy referral report submission (Advisian, 2023).

The assessment of the interaction between Project activities and Valued Components (VCs) is based on a study area that includes regional and local valued components specific to proposed Project-related activities. Desktop analysis and field verified data were used to identify and address potential effects of the Project on VCs, and assess and classify residual effects (i.e., those remaining after mitigation implementation). Mitigation measures and monitoring activities are described to reduce the Project impacts to the VCs.

The VCs have been selected to help describe and assess the potential environmental effects of the Project based on guidance provided in AUC Rule 007. These VCs have been grouped into those assessed by Alberta Environment and Protected Areas-Wildlife Management (AEPA-WM) in the Renewable Energy Referral Report (**APPENDIX E-5**) (i.e., wildlife and wildlife habitat, and wetlands and watercourses), and those regulated by the AUC (i.e., vegetation and soils and terrain). The result of AEPA-WM's assessment of VCs in the Renewable Energy Referral Report is provided. The assessment has found that the overall significance of residual impacts is expected to be low.

Please refer to **APPENDIX E-1** (Environmental Evaluation) for a summary of the environmental studies that were undertaken, the Project's potential impact and risk to the environment, and the Proponent's proposed mitigation commitments.

SP16

For projects wholly or partially located on federal lands (First Nation reserves, national parks or military bases), provide a copy of the environmental impact analysis completed for the corresponding federal government department. Indicate whether the project has the potential to cause effects that may cross into another jurisdiction. Environmental effects that originate on federal lands, but cross into another jurisdiction, must be addressed as part of the environmental review process. Projects on federal lands may be subject to provincial laws, standards and permits. The applicant must address how it has considered AUC Rule 007, Rule 012 and Rule 033 and describe the steps taken, if any, to address specific requirements set out in these rules.

Not applicable. The Project is located entirely on private freehold lands and does not impact any federal lands.

SP17

Submit a stand-alone, project-specific environmental protection plan (or environmental management plan) that itemizes and summarizes all of the mitigation measures and monitoring activities that the applicant is committed to implementing during construction and operation to minimize any adverse effects of the project on the environment.

A copy of the Project's stand-alone, Project-specific Environmental Protection Plan is included as **APPENDIX E-6**.

2.5 2.6 End-of-life Management

SP18

Submit a copy of the initial renewable energy operations conservation and reclamation plan (REO C&R Plan) as set out in the Conservation and Reclamation Directive for Renewable Energy Operations.

Please refer to **APPENDIX E-7** (Conservation and Reclamation Plan).

SP19

Provide an overview of how the operator will ensure sufficient funds are available at the project end of life to cover the cost of decommissioning and reclamation.

Reclamation is specifically addressed in the commercial agreement between the Proponent and Project landowner.

- The standard to which the Project will be reclaimed is equivalent land capability. This includes removal of all above-ground and below-ground Project components, filling in and compacting of all trenches or other borings or excavations, and restoration of the surface elevation and structure

to substantially the same condition that exists immediately prior to the commencement of the Project. Any roads or water wells may be left in place at the landowner's request.

- The reclamation security will be calculated as the difference between the reasonable cost of removing the Project and the reasonable salvage value of the equipment removed.
- The reclamation security is a one-time calculation to be completed anytime after the 25th year of operation.
- The reclamation security can be drawn upon in the event, and on the extent, that the Proponent defaults under its obligations to remove the Project components.
- The Proponent is obligated to provide reclamation security in the form of a third-party letter of guarantee such as a letter of credit, bond or guarantee from an investment grade entity.
- The Landowner will be the named beneficiary of the reclamation security.
- There are currently no provisions for additional access constraints.

2.6 2.7 Noise

SP20

Provide a noise impact assessment in accordance with Rule 012.

A Noise Impact Assessment (NIA) was completed for the Project in accordance with AUC Rule 012: Noise Control (AUC, 2021). The NIA results indicated that the Project is compliant with AUC Rule 012 requirements.

For additional information about the findings of the NIA, please refer to **APPENDIX C-3** (Noise Impact Assessment).

2.7 2.8 Approvals, Reports, and Assessments from Other Agencies

SP21

Identify any other acts (e.g., Environmental Protection and Enhancement Act, Water Act, Public Lands Act and Wildlife Act) that may apply to the project, identify approvals the project may require, and provide the status of each of these approvals.

The Proponent will comply with the applicable legislation, regulations, rules, and guidelines, including the following:

Federal:

- *Aeronautics Act*, RSC 1985, c A-2.
- Aviation - Land Use in the Vicinity of Aerodromes - TP 1247 (GOC 2013/14).
- Canadian Aviation Regulations, 1996, SOR/96-433, s 601.20.
- *Canada Wildlife Act*, R.S.C. 1985, c. W-9.



- *Civil Air Navigation Services Commercialization Act*, SC 1996, c 20.
- *Impact Assessment Act*, S.C. 2019, c. 28, s. 1.
- *Migratory Birds Convention Act*, R.S.C. 1994, c. 22; and
- *Species at Risk Act*, R.S.C., 2002, c. 29.

Provincial:

- *Alberta Land Stewardship Act*, SA 2009, c A-26.8.
- *Alberta Utilities Commission Act*, SA 2007, c. A-37.2.
- *Alberta Weed Control Act*, R.S.A. 2008, c. W-5.
- Alberta Wetland Mitigation Directive (GOA 2018a).
- Alberta Wetland Policy (ESRD 2013b).
- Assessment requirements for solar development near provincial highways (GOA 2021).
- Code of Practice for Powerline Works Impacting Wetlands (GOA 2019a).
- Code of Practice for Watercourse Crossings (GOA 2019b).
- Electrical Code Regulation, AR 209/2006
- *Electric Utilities Act*, SA 2003, c E-5.1.
- Environmental Assessment (Mandatory and Exempted Activities) Regulation, AR 111/1993.
- *Environmental Protection and Enhancement Act*, R.S.A. 2000, c. E-12.
- *Highways Development and Protection Act*, SA 2004, c.H-8.5
- *Historical Resources Act*, R.S.A. 2000, c. H-9.
- *Hydro and Electric Energy Act*, RSA 2000, c H-16.
- *Municipal Government Act*, R.S.A. 2000, c. M-26.
- *Occupational Health and Safety Act*, SA 2020, c O-2.2.
- *Pipeline Act*, RSA 2000, c P-15.
- *Safety Codes Act*, RSA 2000, c S-1.
- *Soils Conservation Act*, R.S.A., 2000, c. S-15.
- *Water Act*, R.S.A. 2000, c. W-3.
- *Wildlife Act*, R.S.A. 2000, c. W-10; 26; and
- Wildlife Directive for Alberta Solar Energy Projects (GOA 2017).

Municipal:

- Bylaw 2021-22 Amending Land Use Bylaw 2017-18 related to use classifications and to expand Section 12 - Specific Use Regulations to include Solar Utilities (Parkland County, 2022)
- Land Use Bylaw 2017 -18 (Parkland County, 2017)
- Municipal Development Plan Bylaw 2017-14 (Parkland County, 2017)

The Proponent has consulted with applicable government agencies to obtain Project approvals. Please refer to **Table 2-3** below for the status of each approval.

Table 2-3: Status of Government Approvals

Government Agency	Requirement	Concordance	Status of application / approval
Federal			
Environment and Climate Change Canada (ECCC) Meteorological Service; Government of Canada (GOC)	Weather Radar Operations Email of Non objection	APPENDIX A-4	Weather Radar Operations Email of Non-objection received from ECCC on February 7, 2023
Impact Assessment Agency of Canada; GOC	Determination of impact assessment requirements	SP15, APPENDIX E-3	On August 30, 2022, IAAC determined the Project is not a designated project under the <i>Impact Assessment Act</i> , therefore a federal impact assessment is not required.
NAV CANADA (NavCan); GOC	NavCan Letter of Non-objection	APPENDIX A-5	NavCan Letter of Non-objection received on May 16, 2023.
Transport Canada (TC); GOC	Aeronautical Assessment	APPENDIX A-6	An Aeronautical Assessment of the Project was received from TC on January 20, 2023.
Provincial			
Alberta Culture, Historic Resources Management Branch; GOA	<i>Historical Resources Act</i> (HRA) Approval	SP23, APPENDIX E-8	HRA approval received on October 25, 2022.
Request for AUC Staff Feedback on Participant Involvement Program for Indigenous Groups.	Indigenous Consultation	APPENDIX A-8	On March 08, 2023, the AUC classified the Project as Category B project: small projects. Direct Notice not required.
Alberta Electric System Operator (AESO)	System Access Service Agreement	Not applicable (NA)	In-progress, Project has been accepted into Cluster 1.
Alberta Environment and Protected Areas (AEPA); GOA	Determination of Environmental Impact Assessment (EIA) requirements	SP15, APPENDIX E-2	Determination of "no EIA required" received from AEPA on August 19, 2022.
AEPA; GOA	<i>Water Act</i> Approval	NA	The Proponent will apply for <i>Water Act</i> Approval prior to Project construction and wetland disturbance as required.
AEPA Fish and Wildlife Stewardship (AEPA-FWS)	Renewable Energy Referral Report	SP22, APPENDIX E-5	A Renewable Energy Referral Report was received from AEPA-FWS on August 10, 2023, with an Overall Risk Ranking of Low .
Alberta Transportation and Economic Corridors (Alberta Transportation); GOA,	NA	APPENDIX A-7	On March 14, 2023, The Proponent submitted an inquiry to Alberta Transportation through GOA's Roadside Planning and Application Tracking Hub (RPATH) and received the following response: "The proposed Project is not located within the development control zone as set out in section 4 of the Highways Development and Protection

Government Agency	Requirement	Concordance	Status of application / approval
			Regulation. Therefore, a permit from Transportation and Economic Corridors is not required for development on this parcel or parcels.”
Municipal			
Parkland County	Development Agreement Various Road and Crossing Agreements	NA	Consultation with Parkland County has been ongoing since July 2022, including involvement in a PIP. A municipal Development Agreement and applicable Road Use and Crossing Agreements will be obtained prior the start of Project construction.

SP22

Submit a signed renewable energy referral report from Alberta Environment and Protected Areas (AEPA) Fish and Wildlife Stewardship. If the applicant is unable to provide a renewable energy referral report at time of application, the applicant must clearly identify the reason and provide details of its status.

The Proponent received a signed Renewable Energy Referral Report on August 10, 2023 from AEPA and received an **overall risk ranking of Low**. Please refer to **APPENDIX E-5** (AEPA Renewable Energy Referral Report).

SP23

Confirm that a *Historical Resources Act* approval has been obtained or has been applied for. If a historic resource impact assessment is required, briefly describe any known historical or archaeological sites, paleontological sites, or traditional use sites of a historic resource nature. If a *Historical Resources Act* approval has been obtained, provide a copy of it.

Confirmed. On October 7, 2022, the Proponent submitted a *Historical Resources Act* (HRA) Application to Alberta Culture, Historic Resources Management Branch, GOA. On October 25, 2022, Alberta Culture issued HRA approval 4941-22-0024-001 to the Proponent. The HRA approval granted for the Project did not indicate a requirement for a Historical Resource Impact Assessment.

For further information refer to **APPENDIX E-8** (*Historical Resources Act* Approval).

SP24

If the government of Alberta, through the Aboriginal Consultation Office (ACO) or otherwise, directed consultation with an Indigenous group for related approvals (i.e., *Public Lands Act, Water Act, Environmental Protection and Enhancement Act, Historical Resources Act, Government Organization Act, etc.*) the applicant must provide a copy of



the pre-consultation assessment, the adequacy assessment and the specific issues and response table (if prepared). If the government of Alberta, through the ACO or otherwise, indicated that a pre-consultation assessment is not required, the applicant must provide a copy of that direction. If advice from the government of Alberta has not been obtained, the applicant must provide justification for its decision to not seek advice.

On March 27, 2023, the Proponent submitted a feedback request form to the AUC "AUC Response to Request for AUC Staff Feedback on Participant Involvement Program for Indigenous Groups".

On March 31, 2023, the AUC submitted a response (**APPENDIX A-9**) confirming the Project is classified as a Category B project: Small projects, projects on private land with little or no off-site impacts, or administrative change. AUC Rule 007's "Table A1-4 Quick reference - Indigenous consultation framework" (**Table 2-4** below) also describes the AUC notification requirements for Category B projects stating, "Indigenous groups are not ordinarily included in the PIP".

Table 2-4: AUC Rule 007 Table A1-4 PIP notification requirements for Category A, B, and C projects

Table A1-4: Quick reference – Indigenous consultation framework

Indigenous consultation category	Description	AUC notification requirements
Consultation Category A	<p>Crown has determined there is a duty to consult for related approvals (e.g., <i>Water Act</i>, <i>Public Lands Act</i>, <i>EPEA</i>).</p> <p>and/or</p> <p>A First Nation reserve or Metis Settlement is within the consultation areas (Notification radius right).</p>	<p>Indigenous groups identified by the Crown must be included in the PIP.</p> <p>First Nations or Metis Settlements with reserves or Settlements within the consultation area must be included in the PIP.</p>
Consultation Category B	<p>Applications for new projects or alterations that are:</p> <ul style="list-style-type: none"> • Small (e.g., thermal power plants <10 MW). • On private land with limited to no off-site impacts (e.g., transmission lines, solar, wind). • In transportation/utility corridor. • Letters of enquiry. 	Indigenous groups not ordinarily included in the PIP
Consultation Category C	Applications for new projects or amendments not captured by categories A and B.	Application category will be reviewed on a case-by-case basis to determine whether the Indigenous groups should be included in the PIP.

Additionally, the ACO cannot directly complete Pre-Consultation Assessments on AUC approvals, however a Pre-Consultation Assessment request to the ACO would be required for a *new Public Lands Act* disposition, *Water Act* (e.g., disturbance to a wetland), and/or EPEA approval.

- An EPEA approval is not required for this Project;
- As the Project is located entirely on private land, a *Public Lands Act* disposition will not be required for the Project; and
- An application for *Water Act* Approval will be submitted to AEPA prior to wetland disturbance and start of construction, and a pre-consultation assessment request will be sent to ACO at that time.

Furthermore, the Proponent ran a Land Analysis Indigenous Relation Tool (LAIRT) report (**APPENDIX A-8** on February 16, 2023, to determine all First Nations, Metis Settlement, and Métis Communities that are located within proximity of the proposed Project. The results of the LAIRT report indicated two Nations, Enoch Cree Nation No 440 (Enoch Cree Nation 135) located



approximately 6.2 kilometers from project boundary and Paul First Nation detected (Wabamun 133A reserve) located approximately 28.6 Kilometers from project boundary, which are both outside of the notification radius for category B Projects (**Table 2-4**). For additional information, please refer to the following appendices:

- **APPENDIX A-9** (AUC Response to Request for AUC Staff Feedback on Participant Involvement Program for Indigenous Groups)
- **APPENDIX A-8** (LAIRT Report)
- **APPENDIX B-2** (Map of Project Location)

2.8 2.9 Participant Involvement Program

SP25

Summarize the participant involvement information, including a description of the activities undertaken and include any engagement materials provided. (See Appendix A1 – Participant involvement program guidelines and Appendix A1-B – Participant involvement program guidelines for Indigenous groups.)

The Proponent conducted a Participant Involvement Program (PIP) in accordance with the AUC Rule 007 **Appendix A1 & A1-B** Guidelines (AUC, 2022).

APPENDIX D-1 (PIP Summary) includes descriptions of the consultation and notification activities undertaken for the Project as well as the Project Specific Information Package (PSIP) and other public materials shared with stakeholders. For clarity, the PIP Summary contains the following eight (8) appendices:

- **Appendix A** – Stakeholder List
- **Appendix B** – Mailing List
- **Appendix C** – Engagement Summary Tables for All Stakeholders
- **Appendix D** – PSIP 1.0
- **Appendix E** – Open House Display Panels
- **Appendix F** – Open House Advertisements Tear Sheets
- **Appendix G** – Open House Sign in Sheet
- **Appendix H** – AUC Response to Request for AUC Staff Feedback on Participant Involvement Program for Indigenous Groups

SP26

Confirm that, if applicable, Alberta Transportation, the municipality in which the project is located, the applicable railway companies, and the owner of any registered and known unregistered aerodrome within 4,000 meters of the project boundary were consulted and provide a summary of any objections received, mitigations discussed, and any outstanding objections.



The Proponent consulted with the following groups and received the following feedback:

Alberta Transportation - An RPATH inquiry was submitted to Alberta Transportation on March 14, 2023. On March 15, 2023, the proponent received the following response:

"This proposal is not located within the development control zone as set out in section 4 of the Highways Development and Protection Regulation. Therefore, a permit from Transportation and Economic Corridors is not required for development on this parcel or parcels."

Please refer to **APPENDIX A-7** (Alberta Transportation Inquiry).

Parkland County - Discussions with Parkland County were initiated on July 25, 2022. County representatives identified soils classification as well as adherence to bylaw requirements as the key areas of interest. Subsequent discussions between August 2022 and November 2022 were conducted to clarify soils classification methodology, stormwater management plan requirements, setback requirements, long-term planning and development considerations and development permit requirements. Parkland County provided guidance that a request for a variance to the regulation restricting development on Class 1 and 2 soils would be required during the development permit process. The AUC has recently issued a request for similar supplemental information. This information has been included in **APPENDIX A-10** (AUC Interim Rule 007 Information Requirements) of this application. The Proponent intends to apply to the County for the necessary Development Permit(s) at the appropriate time.

Local Emergency Responders –

- **RCMP:** Consultation was conducted with Spruce Grove RCMP. The RCMP had no concerns about the Project.
- **Fire Department:** Consultation was also conducted with the local fire department. The primary risks identified included an inverter/transformer fire and any associated grass fires. The Proponent clarified that an inverter/transformer fire should be fought by way of maintaining a perimeter at the Project fence line, let the inverter/transformer fire burn itself out and secure the perimeter from any associated grass fires. The fire department confirmed the suitability of this approach and requested additional consultation to validate plans prior to the start of construction.
- **Rail Companies –** The Proponent has confirmed by way of land title search that there are no railway companies within 800m of the Project area.
- **Aerodromes –** There are no registered aerodromes and no known unregistered aerodromes within 4,000M of the Project boundary.

Please refer to **APPENDIX D-1** (PIP Summary) for additional information about consultations conducted for the PIP.

SP27

List all occupants, residents, and landowners on lands within the appropriate notification radius as shown below and described in Appendix A1 – Participant involvement program



guidelines, as well as Indigenous groups, owners of aerodromes or other interested persons that were consulted as part of the participant involvement program.

The Proponent has provided a complete list of all occupants, residents, and landowners consulted during the PIP for this Project.

Please refer to the following Appendices:

- **APPENDIX D-1** (PIP Summary, Appendix A – Stakeholder List)
- **APPENDIX B-6** (Map of Landowners)

SP28

Supply a list of contact information for all persons who had been contacted as part of the participant involvement program in a spreadsheet in accordance with the template included in Appendix A1 – Participant involvement program guidelines.

Please refer to **APPENDIX D-2** (PIP Contact List)

SP29

Summarize consultation with local jurisdictions (e.g., municipal districts, counties).

The Proponent has responded to all concerns raised during the execution of the PIP. For a summary of consultation undertaken with local jurisdictions, please refer to the following sections of **APPENDIX D-1** (PIP Summary):

- Section 4.0 – Consultation Summary
- Appendix C – Engagement Summary Tables for All Stakeholders

SP30

Identify all persons who expressed a concern(s) about the project. For each person, include the following information:

- **The specifics of the concern(s).**
- **Steps taken to try and resolve the concern(s).**
- **Whether the concern(s) was resolved.**

For a comprehensive list of key questions, concerns, and responses received during the execution of the PIP, please refer to the following sections of **APPENDIX D-1** (PIP Summary):

- Section 4.0 – Consultation Summary
- Appendix C – Engagement Summary Tables for All Stakeholders

In cases where the Proponent was unable to resolve the concern identified, the factual response and residual concern were documented in the PIP Report.



3. Bulletin 2023-05: AUC Interim Rule 007 Information Requirements

On September 6, 2023, AUC issued Bulletin 2023-05 (interim Rule 007 information requirements), requesting supplemental information related agricultural lands, municipal land use, viewscales, and reclamation security. This information is provided in this application as **APPENDIX A-10** (AUC Interim Rule 007 Information Requirements).



4. Mixed Use Agrivoltaics Assessment

Additional considerations for the utilization potential of the Project lands are included in **APPENDIX C-4** (Mixed Use Agrivoltaics Assessment).

5. Interconnection Application

5.1 Connection to the Distribution System

IC1

Provide a statement that the local distribution facility owner has agreed to the interconnection, the legal subdivision (LSD) of the interconnection point, and an electric single line diagram showing the interconnection point with the distribution facility owner.

Please refer to **APPENDIX A-3** (Fortis Letter of Non-Objection) for confirmation that the DFO has agreed to facilitate the interconnection of the Project. The LSD of the interconnection point is 09-22-51-27-W4M.

Please refer to **Appendix B-10** (Proposed Preliminary Single Line Diagrams [SLD]) which shows the interconnection point with the Fortis 25kV feeder 305S-2243L (“line 2243L”)

5.2 Connection to the Transmission System

IC2

Provide a statement from the ISO, at such time determined by the ISO, that endorses the interconnection and confirms that the interconnection will not result in adverse effects to the interconnected electric system.

Not applicable as this Project is connected to the distribution system.

6. References

- Advisian. 2023. Renewable Energy Project Submission Report for Alberta Environment and Parks-Wildlife Management. Submitted December 28, 2022. 417021-00070-ADV-MOR-SM-REP-0001_0
- AUC (Alberta Utilities Commission). 2021. Rule 012: Noise Control. 2021. Current as of March 5, 2021. Available at: <https://media.www.auc.ab.ca/prd-wp-uploads/2022/01/Rule012.pdf>
- AUC (Alberta Utilities Commission). 2022. Rule 007: Applications for Power Plants, Substations, Transmission Lines, Industrial System Designations, Hydro Developments and Gas Utility Pipelines. Current as of April 25, 2022. Available at: <https://media.www.auc.ab.ca/prd-wp-uploads/Shared%20Documents/Rules/Rule007.pdf>
- AUC (Alberta Utilities Commission). 2023. Bulletin 2023-05: Interim Rule 007 information requirements. 2023. Current as of September 6, 2023. Available at: <https://media.www.auc.ab.ca/prd-wp-uploads/News/2023/Bulletin%202023-05.pdf>
- ESRD (Environment and Sustainable Resource Development). 2013a. Alberta Sensitive Species Inventory Guidelines. Alberta Environment and Protected Areas, Edmonton, AB, Canada. Available at: <https://open.alberta.ca/dataset/93d8a251-4a9a-428f-ad99-7484c6ebabe0/resource/f4024e81-b835-4a50-8fb1-5b31d9726b84/download/2013-sensitivespeciesinventoryguidelines-apr18.pdf>.
- ESRD (Environment and Sustainable Resource Development). 2013b. Alberta Wetland Policy. Alberta Environment and Parks, Edmonton, AB, Canada. Available at: <https://open.alberta.ca/dataset/5250f98b-2e1e-43e7-947f-62c14747e3b3/resource/43677a60-3503-4509-acfd-6918e8b8ec0a/download/6249018-2013-alberta-wetland-policy-2013-09.pdf>
- Federal Aviation Administration. 2021. Final Policy, Review of Solar Energy System Projects on Federally Obligated Airports. Document Number 2021-09862.
- GOA (Government of Alberta). 1993. Environmental Assessment (Mandatory and Exempted Activities) Regulation, (111/1993). Current as of March 31, 2017. Alberta King's Printer. Available at: https://kings-printer.alberta.ca/1266.cfm?page=1993_111.cfm&leg_type=Regs&isbncIn=9780779796250
- GOA (Government of Alberta). 2000a. Environmental Protection and Enhancement Act (RSA 2000, c. E-12). Alberta King's Printer. Current as of April 1, 2023. Available at: https://kings-printer.alberta.ca/1266.cfm?page=E12.cfm&leg_type=Acts&isbncIn=9780779841660
- GOA (Government of Alberta). 2000b. Hydro and Electric Energy Act (RSA 2000, c. H-16). Alberta King's Printer. Current as of December 15, 2022. Available at: https://kings-printer.alberta.ca/1266.cfm?page=H16.cfm&leg_type=Acts&isbncIn=9780779839445

- GOA (Government of Alberta). 2000c. Municipal Government Act (RSA 2000, M-26). Alberta King's Printer. Current as of April 1, 2023. Available at: https://kings-printer.alberta.ca/1266.cfm?page=m26.cfm&leg_type=Acts&isbncIn=9780779842322
- GOA (Government of Alberta). 2000d. Pipeline Act (RSA 2000, P-15). Alberta King's Printer. Current as of March 1, 2023. Available at: https://kings-printer.alberta.ca/1266.cfm?page=p15.cfm&leg_type=Acts&isbncIn=9780779840717
- GOA (Government of Alberta). 2000e. Safety Codes Act (RSA 2000, S-1). Alberta King's Printer. Current as of April 1, 2023. Available at: https://kings-printer.alberta.ca/1266.cfm?page=s01.cfm&leg_type=Acts&isbncIn=9780779843633
- GOA (Government of Alberta). 2000f. Soils Conservation Act (RSA 2000, S-15). Alberta King's Printer. Current as of November 16, 2022. Available at: https://kings-printer.alberta.ca/1266.cfm?page=S15.cfm&leg_type=Acts&isbncIn=9780779838271
- GOA (Government of Alberta). 2000g. Water Act (RSA 2000, c. W-3). Alberta King's Printer. Current as of April 1, 2023. Available at: https://www.qp.alberta.ca/1266.cfm?page=W03.cfm&leg_type=Acts&isbncIn=9780779822805
- GOA (Government of Alberta). 2000h. Wildlife Act (RSA 2000, c. W-10). Alberta King's Printer. Current as of December 15, 2022. Available at: https://kings-printer.alberta.ca/1266.cfm?page=W10.cfm&leg_type=Acts&isbncIn=9780779844401
- GOA (Government of Alberta). 2003. Activities Designation Regulation (276/2003). Current as of March 1, 2023. Alberta King's Printer. Available at: https://kings-printer.alberta.ca/1266.cfm?page=2003_276.cfm&leg_type=Regs&isbncIn=9780779840663
- GOA (Government of Alberta). 2003. Electric Utilities Act (SA 2003, c. E-5.1). Alberta King's Printer. Current as of December 15, 2022. Available at: https://kings-printer.alberta.ca/1266.cfm?page=E05P1.cfm&leg_type=Acts&isbncIn=9780779838769
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Appendix A. Supporting Documents



A.1 Alberta Corporate Registration



A.2 Notice of Address Change – Business Corporations Act



A.3 Fortis Letter of Non-Objection



A.4 ECCC Confirmation of Non-Objection



A.5 NavCan Letter of Non-Objection



A.6 Transport Canada Aeronautical Assessment



A.7 Alberta Transportation Inquiry



A.8 LAIRT Report

A.9 AUC Response to Request for AUC Staff Feedback on Participant Involvement Program for Indigenous Groups



A.10 Interim Rule 007 Bulletin 2023-05



Appendix B. Project Maps and Drawings



B.1 Site General Arrangement Drawing



B.2 Map of Project Location



B.3 Project KMZ



B.4 Overall Site Map



B.5 Map Power Plant Boundary



B.6 Map of Landowners



B.7 Map of Aerodromes



B.8 Map of Habitat Land Cover



B.9 Map of Energy Related Facilities



B.10 Proposed Preliminary After Project Single Line Diagram (SLD)



Appendix C. Studies and Assessments



C.1 Construction Emergency Response Plan



C.2 Glint & Glare Assessment



C.3 Noise Impact Assessment



C.4 Mixed Use Agrivoltaics Assessment



Appendix D. Participant Involvement Program (PIP)



D.1 PIP Summary



D.2 PIP Contact List

Please refer to the PIP Contact List (excel format) that has been uploaded to the AUC e-file system for Proceeding 28728-A001.



Appendix E. Environmental Information



E.1 Environmental Evaluation



E.2 AEPA Letter of EIA Determination



E.3 IAAC Email of Federal Impact Assessment Determination



E.4 AEPA Confirmation of Proponent Name Change



E.5 AEPA Renewable Energy Referral Report



E.6 Environmental Protection Plan



E.7 Conservation and Reclamation Plan



E.8 Historical Resources Act Approval
