



October 2026
UPDATED STAKEHOLDER NEWSLETTER
LITTLE SMOKY 1
SOLAR POWER PROJECT

Dear Resident/Occupant/Landowner and Interested Parties:

Northern Renewables Ltd. (NRL) intends to submit an application for approval of the Little Smoky 1 Solar Power Project (LS1 Project) to the Alberta Utilities Commission (AUC) in the near future. As part of our ongoing regulatory and engagement requirements, NRL is providing an update on the LS1 Project.

Following final design and project optimization, the project layout has been refined slightly from the original proposed layout, however, the Project remains within the same project lands. As a result of these minor refinements, the Noise Impact Assessment (NIA) and Solar Glare Hazard Assessment (SGHA) were updated to reflect the optimized layout. These assessments were completed by RWDI, an independent third-party firm specializing in these areas.

The NIA confirms that predicted sound levels comply with the permissible sound levels (PSL's) under AUC Rule 012: *Noise Control*, for both the required day-time and night-time PSL's. The SGHA confirms compliance with the applicable solar glare requirements under AUC Rule 007: *Facility Applications*. These conclusions reflect the optimized layout and the mitigation measures described in the reports. The assessments conclude that the optimized layout remains compliant with AUC requirements and does not create new noise or glare impacts for nearby residences or receptors.

A copy of the updated project lay-out, as well as confirmation from RWDI, is included in this updated stakeholder package.

We welcome any questions or comments on these materials. Please contact our project team if you would like to discuss the updated assessments or layout. Thank you for your continued participation in the Project.

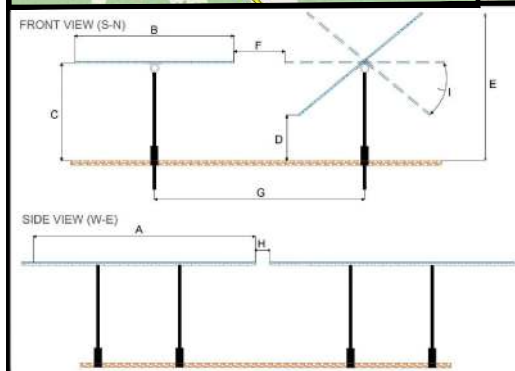
Sincerely,

LS1 Regulatory and Engagement Team

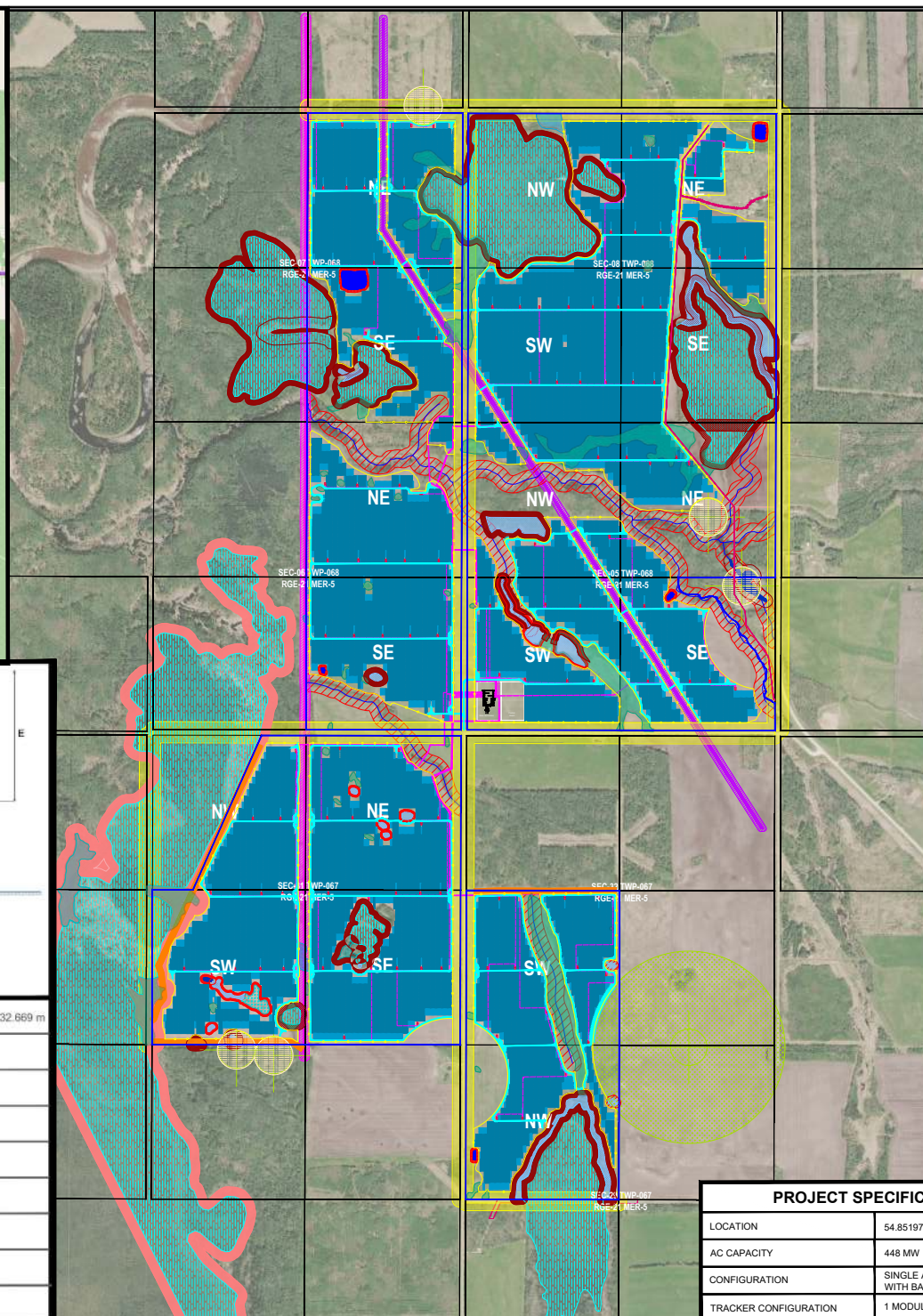
Phone: 403-921-3020

E-mail: Northern.renewables@korkia.fi

Website: <https://korkia.fi/portfolio/little-smoky-1>



A - RACKING LENGHT	124.495 m / 93.934 m / 63,225 m / 32.669 m
B - RACKING WIDTH	2.382 m
C - PIVOT HEIGHT	1.825 m
D - MINIMUM PANEL HEIGHT	0.719 m
E - MAXIMUM PANEL HEIGHT	2.797 m
F - AISLE WIDTH	3.618 m
G - PITCH WIDTH	5.5 m
H - RACKING SPACING	1.5 / 3 m
I - PLANE TILT	+/- 50 ° (max +/- 60 °)



LEGEND:	
	PROJECT AREA
	FENCE
	INTERNAL ROADS
	SUBSTATION & CONTROL ROOM AREA
	TRANSFORMER
	PV TRACKER UNITS
	TEMPORARY MARSH - CLASS II WT
	WOODED CONIFEROUS FEN, WOODED SWAMPS & SETBACK
	SEASONAL MARSH & SWAMP - CLASS III WT & SETBACK
	SEMI-PERMANENT MARSH - CLASS IV WT & SETBACK
	PERMANENT OPEN WATER - CLASS V WT & SETBACK
	DUGOUTS & SETBACK (15M)
	WATERCOURSES & SETBACK
	LOW PRESSURE PIPELINE
	144 KV POWERLINE & ROW (15M SETBACK)
	240 KV POWERLINE & ROW (20M SETBACK)
	ALBERTA TOWNSHIP SYSTEM
	STGR LEK (500M SETBACK)
	FIRE BREAK AREA (30M)
	COLLECTOR LINE
	WETLAND SETBACK - 15M (CULTIVATED AREAS)
	WETLAND SETBACK - 30M (MODIFIED GRASSLAND - TAME PASTURE)
	WETLAND SETBACK - 50M (LARGE FEN)
	NESTS SETBACK (100M)
	ROADS & ROAD ALLOWANCE & SETBACKS (40M)

NOTES:

A PROPERTY LINE SETBACK OF 15M WAS APPLIED.

WETLANDS:
EPHEMERAL WATERBODIES ARE NOT AVOIDED.
CLASS II WETLANDS ARE AVOIDED, WITH THE EXCEPTION OF A FEW
CLASS III+ WETLANDS HAVE A 15M, 30M, OR 50M SETBACK,
DEPENDING ON LAND USE CLASSIFICATION.

A 45M SETBACK WAS APPLIED TO THE WATERCOURSE LOCATED IN THE CENTRE OF THE PROJECT AREA. AN ADDITIONAL 15M SETBACK WAS APPLIED FROM THE TOP OF THE WATERCOURSE DEPRESSION.



UK LS1 Ltd.

PROJECT SPECIFICATIONS:	
LOCATION	54.851972" , -117.175944"
AC CAPACITY	448 MW
CONFIGURATION	SINGLE AXIS TRACKING SYSTEM WITH BACKTRACKING
TRACKER CONFIGURATION	1 MODULE IN PORTRAIT

PROJECT: Little Smoky 1 Solar Project	
DRAWING	SOLAR FARM LAYOUT
*** NOT FOR CONSTRUCTION ***	
SCALE: 1: 35 000 A4	SHEET: 1 of 1
ISSUED: 2026.10.01	REVISION: 08



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MEMORANDUM

DATE:	2026-10-09	RWDI Reference No.: 2606469
TO:	Paul Blaha	EMAIL: paul.blaha@korkia.fi
CC:	João Costa	EMAIL: joao.costa@korkia.fi
FROM:	Bryce Dawson	EMAIL: bryce.dawson@rwdi.com
	Ryan Danks	EMAIL: ryan.danks@rwdi.com
	Mitch Parent	EMAIL: michel.parent@rwdi.com
RE:	Noise and Glare Assessments Little Smoky 1 Solar Project	

Dear João,

RWDI have completed noise and glare modelling for the Little Smoky 1 Solar Project to evaluate compliance with Alberta Utilities Commission (AUC) criteria. RWDI have previously completed noise and glare modelling for the Project as part of the original application which demonstrated an ability to meet the criteria, regulations, and thresholds at the time of the application.

Since the original application, various updates to the Project have been completed which has triggered a need to conduct new noise and glare modelling. The regulations have also been updated for expectations for glare from solar projects to include more viewer heights to consider different vehicle heights and to consider the field of view for vehicle operators. Additionally, specific duration limits for glare for each field of view based on road type have been established.

The following provides a comparison from the previous application relative to the results of these current modelling assessments.

Glare

Previous assessments completed by RWDI indicated that green glare and yellow glare were predicted on three roads including Range Road 214, Range Road 215, and Township Road 680 and predicted green glare and yellow glare for a number of residences. Based on the updates to the project, the current assessment predicts no glare of any type on nearby roads or at residences.



Paul Blaha
Northern Renewables
RWDI#2606469
October 9, 2026

These results are based on expanded and more stringent criteria established by the AUC through an update to Rule 007: *Facility Applications* in the period between the original application and this current application including the evaluation of different heights and multiple fields of view and indicate a decrease in potential impact and improvement relative to the previous application. A detailed summary of these results will be provided as part of the Project's submission to the AUC.

Noise

The AUC has established Permissible Sound Level thresholds for daytime and nighttime noise through Rule 012: *Noise Control*. The thresholds and criteria remain unchanged from previous. A new noise assessment has been completed to evaluate the updates to the Project to verify that AUC limits continue to be met. Additionally, two other residences were identified for inclusion in the assessment relative to previous.

The results of the modelling indicated that the Project continues to meet the Permissible Sound Levels outlined in AUC Rule 012 when mitigation is applied by installing barriers at specific inverters. When considering predicted sound levels with these mitigations applied, the predicted sound levels remain unchanged or lower than the previous assessment. The sound predicted at the two new residences that were evaluated also meet the Permissible Sound Level.

Conclusion

RWDI completed noise and glare modelling for the Little Smoky 1 Solar project. The results of the assessments indicated that all glare was completely eliminated for all transportation routes and residences. Additionally, results indicated that the sounds levels remain below the Permissible Sound Level.

Yours truly,

A handwritten signature in blue ink, appearing to read 'Bryce', is located below the 'Yours truly,' text.

Bryce Dawson, B.Sc., EP, PMP
Senior Project Manager | Principal
RWDI