



NOVA SOLAR POWER PLANT

ABOUT THE PROJECT

Renewable Energy Systems Canada Inc. (RES) is proposing to develop, build and operate the Nova Solar Power Plant (the “Project” or “Nova”). Nova is a 150 MWac solar energy generation project located about 1 mile southwest of Carseland in Wheatland County, AB on approximately 950 acres of land earmarked for industrial development by the County.

The Project will consist of approximately 361,044 tier 1 polysilicon bifacial solar modules on single-axis trackers, as well as bi-directional inverters to enable the potential addition of an energy storage facility. A network of 34.5kV underground cables will lead into a step-up transformer in the new 240kV RES Nova 1005S Substation to be located on NW 3-22-26-W4M.

The Project proposes to connect to the Alberta Interconnected Electricity System (AIES) by tapping an existing AltaLink owned and operated 240kV transmission line via a new approximately 6 km transmission line. Public engagement for this development will be carried out separately in the coming weeks.

BUILDING A SOLAR POWER PLANT

Construction of Nova is expected to start in Q3 2022. The following list describes the typical stages of construction of a solar plant:

- The ground area is leveled.
- Security fencing and signage is installed around the perimeter of the facility and site access roads are built.
- Pile foundations are driven into the ground.
- Racking for solar panels is installed on the pile foundations and solar panels are installed on the racking.
- Inverters are installed
- Electrical cables are installed in trenches that run from the end of each row of panels to the inverter. The electricity is then carried to the project substation.

Included in this information package:

- Project newsletter
- Project layout
- Map of solar glare results and receptors
- AUC Brochure: *Participating in the AUC's independent review process*

ONGOING ENGAGEMENT ACTIVITIES

In October 2021, an initial Project newsletter was mailed out to regulatory agencies, interested parties and stakeholders within 800m of the proposed Project boundary. Ongoing discussions with stakeholders have led to valuable and positive feedback which has informed the Project layout. We will be reaching out to stakeholders again in the upcoming weeks to continue the discussions and gather more feedback on the Project and proposed layout. We value your feedback and encourage anyone with questions or comments or who wishes to learn more about the Project to reach out to us. Contact information is provided on page 4 of this newsletter.

RES IN YOUR COMMUNITY

RES is an active player in the community and supports fundraising events and local initiatives that bring benefit to the community.

If you have any ideas on how we can take an active role in the community, please contact us.

YOUR FEEDBACK IS IMPORTANT TO US!



PERMITTING UPDATE

In October 2021, RES submitted a Renewable Energy Project Submission to Alberta Environment and Parks (AEP) for assessment of the Project's environmental impact. Given the Project is entirely sited on cultivated, previously disturbed land, the environmental impact is expected to be minimal, and a Referral Letter from AEP is expected in the near future.

We anticipate filing the AUC Power Plant Application in late March or early April 2022. If you would like to view the application after submission, you will be able to access it from: www.auc.ab.ca. Should you require assistance, the AUC can be reached at: 310-4AUC (310-4282 in Alberta) or 1-833-511-4AUC (1-833-4282 outside Alberta). More information about the AUC review process can be found in the attached AUC brochure: *Participating in the AUC's independent review process to consider facility applications*.

The Facility Application for the Project Interconnection will be submitted later in Q2 2022 in parallel with AltaLink's Facility Application and the Alberta Electricity System Operator's (AESO) Need Identification Document (NID). Specific information about the Connection Project will be mailed to stakeholders and posted to the website prior to the application to the AUC.

Finally, RES will also seek Development Permits from Wheatland County in 2022 following AUC Approval.

UPDATED PROJECT TIMELINE:

October 2021	Participant involvement program (PIP) initiated
Fall 2021	AEP application submitted
October/November 2021	One-on-one consultation
February 2022	Update newsletter mailed and ongoing consultation activities
March/April 2022	AUC power plant application submission
Summer 2022	Anticipated AUC Approval and County Development Permits
Q3 2022	Start of construction
Q4 2023	Target commercial operations date
Q1-Q2 2024	Reclamation post-construction

*Timeline is subject to change.

**Consultation will be ongoing throughout the development, construction, operations and decommissioning phases of the Project.

SOLAR GLARE ASSESSMENT

As per AUC requirements, a solar glint and glare assessment uses the Solar Glare Hazard Analysis Tool (SGHAT) developed by the US Federal Aviation Administration. SGHAT predicts glare based on the location and orientation of solar panels and the sun's path through the sky. SGHAT characterizes glare at receptors based on the brightness and size of the glare spot formed on the retina of an observer's eye.

RES retained Golder Associates to undertake a solar glare analysis at Nova and no glare is predicted at any receptors. See the Glare Modelling Results map included in this package.

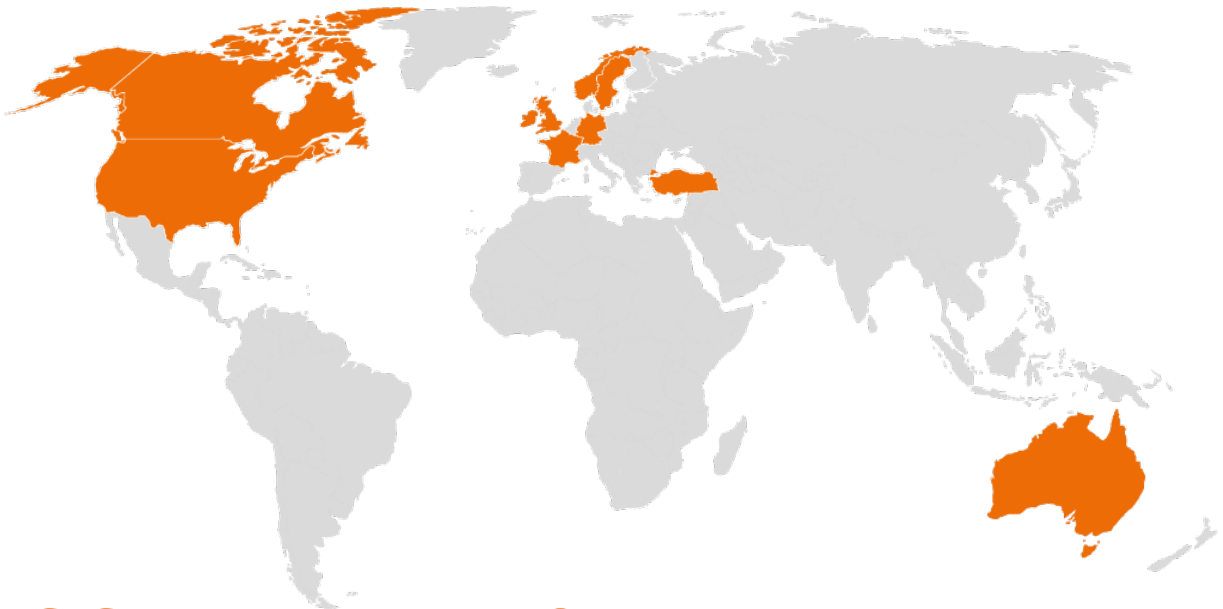
NOISE IMPACT ASSESSMENT

Noise from the Project is regulated by the AUC through Rule 012: Noise Control. Cumulative noise levels at occupied dwellings must not exceed daytime or nighttime Permissible Sound Level (PSL) limits, 50 and 40 dBA respectively. Cumulative noise levels include natural and non-industrial sources, existing industrial facilities, and the proposed Project. A computer model is used to predict cumulative noise levels at occupied dwellings located within 1.5 km of the Project. Preliminary results shown in the table below indicate that the Project is compliant at all receptors. Receptor are shown on the attached Solar Glare Modelling Results Map. A complete Noise Impact Assessment will be posted to the website in the coming days.

Receptor	Baseline Case Cumulative Noise Level [dBA]		Project Noise Level [dBA]	Application Case Cumulative Noise Level [dBA]		Rule 012 Permissible Sound Level [dBA]	
	Daytime	Nighttime		Daytime	Nighttime	Daytime	Nighttime
R01	45.0	35.3	34.1	45.4	37.7	50	40
R02	45.0	35.3	32.6	45.3	37.2	50	40
R03	45.0	35.3	28.1	45.1	36.1	50	40
R04	45.0	35.3	36.3	45.6	38.8	50	40
R05	45.0	35.2	33.6	45.3	37.5	50	40

ABOUT RES

RES, the largest independent renewable energy company in the World, is a family-owned business, owned by the McAlpine Family Trust, and has been in the renewable energy business since 1983. Through our corporate culture and values, we are dedicated to a zero-carbon future for all Canadians and our focus is solely on renewable energy projects (wind, solar) and supporting & enabling projects (energy storage, transmission). RES has been developing, constructing, owning and/or operating renewable energy, transmission, and energy storage projects in Canada since 2003. RES has developed and/or built 28 projects across Canada. Please visit: <http://www.res-group.com> for more information.



22 ^{GW} PROJECT PORTFOLIO

40 YEARS OF EXPERIENCE

7 ^{GW} OF OPERATIONAL ASSETS SUPPORTED

ACTIVITIES



DEVELOP



CONSTRUCT



OPERATE

TECHNOLOGIES



WIND



SOLAR



STORAGE



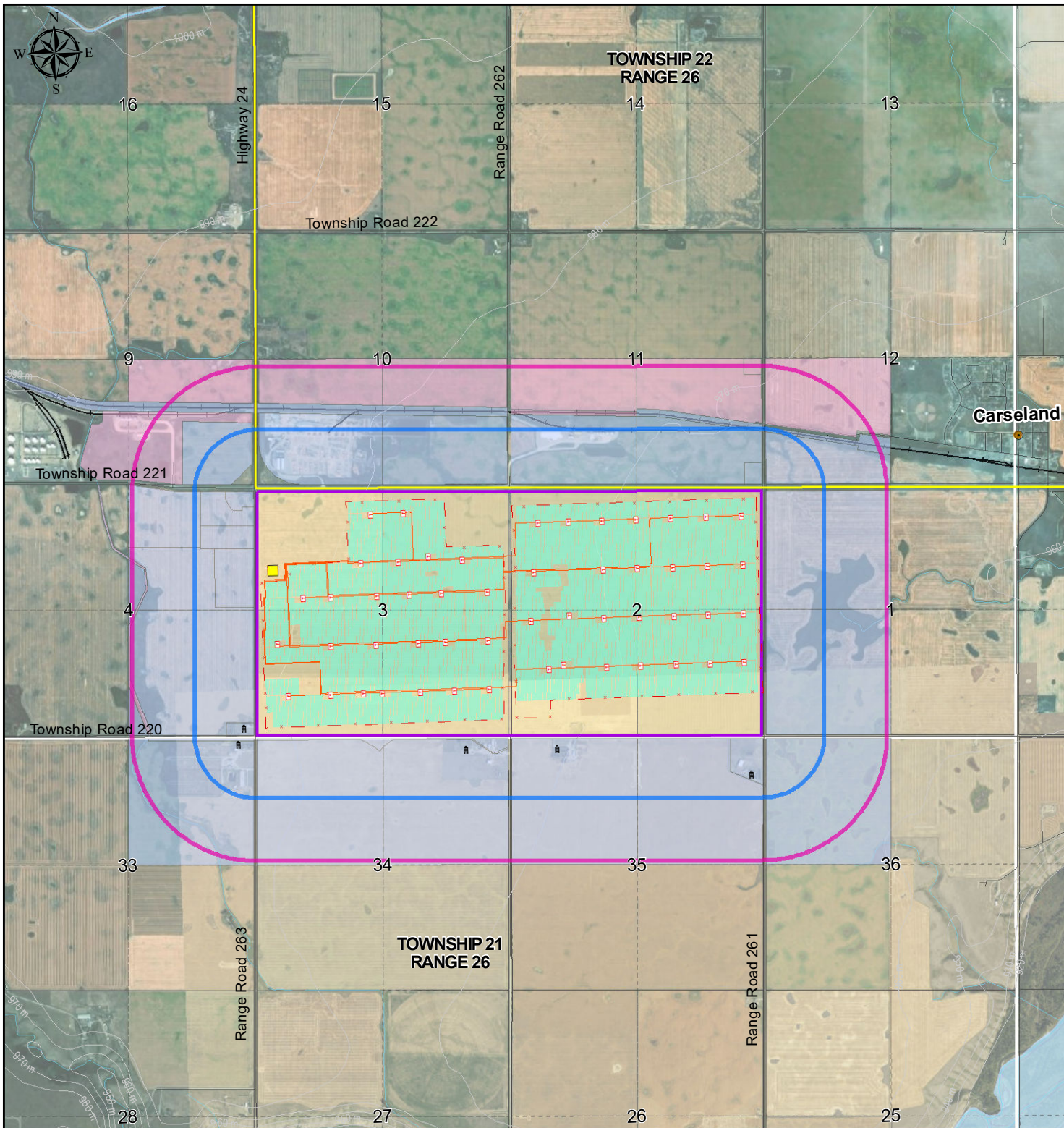
T&D

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**NOVA SOLAR POWER PLANT
Proposed Project Layout**

Legend

SITE

- SITE
- QS signed with RES
- QS within 400m Buffer
- QS within 800m Buffer
- Consultation Area - 400m Buffer
- Notification Area - 800m Buffer

PROJECT COMPONENTS

- Proposed Substation Location NW 3-22-26-4
- Proposed Solar Panel Layout
- MV Cable
- Inverters
- Fence

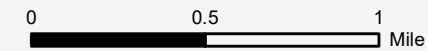
TERRITORY

- Roads
- Highway 24
- Railway
- Residences

LAND

- Quarter Section
- Section

RENEWABLE ENERGY SYSTEMS CANADA INC.
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NAD 1983 UTM Zone 12N

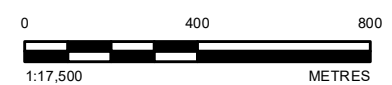
Absolute Scale
1:35,000

Data Sources:
CanVec12, Altalis, ArcGIS Online
Date: January 2022



- LEGEND**
- HAMLET
 - PRIMARY HIGHWAY
 - LOCAL ROAD
 - RAILWAY
 - ▨ LIMIT OF DISTURBANCE
 - - - LIMIT OF DISTURBANCE - 800 M BUFFER
 - GLARE RECEPTORS**
 - 🏠 DWELLING
 - RAILWAY
 - ROAD

GLARE MODELLING RESULTS							
DWELLINGS		RAILWAYS		ROADS			
FEATURES	RESULTS	FEATURES	RESULTS	FEATURES	RESULTS	FEATURES	RESULTS
R01	NO PREDICTED GLARE	MAIN LINE	NO PREDICTED GLARE	CARGILL ACCESS ROAD	NO PREDICTED GLARE	RANGE ROAD 261	NO PREDICTED GLARE
R02	NO PREDICTED GLARE	CARGILL SIDING	NO PREDICTED GLARE	MCKINNON DRIVE	NO PREDICTED GLARE	RANGE ROAD 262	NO PREDICTED GLARE
R03	NO PREDICTED GLARE	PIONEER SIDING	NO PREDICTED GLARE	PIONEER ACCESS ROAD	NO PREDICTED GLARE	RANGE ROAD 263	NO PREDICTED GLARE
R04	NO PREDICTED GLARE			RAILWAY AVENUE	NO PREDICTED GLARE	TOWNSHIP ROAD 220	NO PREDICTED GLARE
R05	NO PREDICTED GLARE			STELLA-JONES ACCESS ROAD	NO PREDICTED GLARE	TOWNSHIP ROAD 221	NO PREDICTED GLARE
				HIGHWAY 24	NO PREDICTED GLARE		



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CLIENT
RENEWABLE ENERGY SYSTEMS CANADA INC.

PROJECT
NOVA SOLAR PROJECT

CONSULTANT	DATE	APPROVAL
 MEMBER OF WSP	YYYY-MM-DD	2022-01-24
	DESIGNED	VY
	PREPARED	LMS
	REVIEWED	BMS
	APPROVED	TC

TITLE	PROJECT NO.	PHASE	REV.	FIGURE
GLARE MODELLING RESULTS	21458999	3000	0	1

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Step 5: Consultation and negotiation (if applicable)*

The Commission supports ongoing efforts to reach an agreeable outcome for the applicant and all affected parties. The Commission encourages the applicant and those who have filed a statement to continue to attempt to resolve any outstanding issues. If all concerns can be satisfactorily resolved this may eliminate the need for a formal hearing. However, if there continues to be unresolved issues, those matters will typically be addressed at an AUC hearing.

Step 6: The public hearing process*

The AUC will issue a notice of hearing if there continues to be legitimate unresolved concerns with the application. The notice of hearing will provide a hearing date and location in addition to a process schedule. The AUC conducts public hearings in its Edmonton and Calgary hearing rooms and, where suitable venues exist, in communities closer to the proposed project area.

The public hearing process allows persons with standing that have unresolved concerns about the application, to express their views directly to a panel of Commission members.

An AUC hearing is a formal, evidence-based, court-like proceeding. The public can attend the hearing in person or listen to hearings online through the AUC's website.

Participants in a hearing can either represent themselves or be represented by a lawyer. In addition, participants may hire experts to assist in preparing and presenting evidence to support their position.

Cost assistance

A person determined by the Commission to be a local intervener can apply for reimbursement of reasonable costs. Those who hire a lawyer or technical experts must be aware that while reimbursement for the costs of legal and technical assistance is available under AUC Rule 009: *Local Intervener Funding*, recovery of costs is subject to the Commission assessing the value of the

contribution provided by the lawyer and technical experts. People with similar interests and positions are expected to work together to ensure that expenditures for legal or technical assistance are minimized and costs are not duplicated.

Step 7: The decision

The AUC's goal is to issue its written application decision no more than 90 days after the hearing is complete. The Commission can approve, or deny an application and can also make its approval conditional upon terms or conditions. All AUC decision reports are available to any member of the public on the AUC's website or by obtaining a printed copy from the AUC.

Step 8: Opportunity to appeal

An applicant or dissatisfied participant may formally ask the Court of Appeal of Alberta for permission to appeal a Commission decision. An application for permission to appeal must be filed within 30 days from the date the decision is issued.

An applicant or dissatisfied participant can also ask the Commission to review its decision. An application to review a Commission decision must be filed within 60 days from the date the decision is issued and satisfy the limited grounds described in AUC Rule 016: *Review and Variance of Commission Decisions*.

Step 9: Construction, operation and compliance

An applicant that receives approval to build and operate a facility from the Commission must adhere to any conditions that were set out in that approval. If concerns about compliance with approval conditions and post-construction operations cannot be resolved with the applicant, they can be brought to the AUC's attention for consideration. The AUC has significant compliance and enforcement powers for all approved applications. Additional information is available on the AUC website under "Compliance and enforcement."

*Opportunity for public involvement

The Alberta Utilities Commission is an independent, quasi-judicial agency of the Government of Alberta that ensures the delivery of Alberta's utility services take place in a manner that is fair, responsible and in the public interest.

Contact us

Phone: 310-4AUC (310-4282 in Alberta)
1-833-511-4AUC (1-833-511-4282 outside Alberta)
Email: info@auc.ab.ca

Eau Claire Tower 1400, 600 Third Avenue S.W. Calgary, Alberta T2P 0G5	106 Street Building 10th Floor, 10055 106 Street Edmonton, Alberta T5J 2Y2
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The Alberta Utilities Commission is committed to ensuring that Albertans whose rights may be directly and adversely affected by a utility development project are informed of the application and have the opportunity to have their concerns heard, understood and considered.



Participating
in the AUC's
independent
review process

Application review process

Step 1: Public consultation prior to application by proponent

Step 2: Application filed with the AUC

Step 3: Public notice issued by the AUC

Step 4: Public submissions to the AUC

Step 5: Consultation and negotiation

Step 6: The public hearing process

Step 7: The decision

Step 8: Opportunity to appeal

Step 9: Construction, operation and compliance

www.auc.ab.ca

The AUC's regulatory role in needs and facility applications and its independent review and hearing process:

The AUC uses an established process, outlined in this brochure, to review social, economic and environmental impacts of facility projects to decide if approval is in the public interest. Approvals from the AUC are required for the construction, operation, alteration and decommissioning of transmission lines and electric substations.

Approvals are required for:

- The need for transmission upgrades.
- The route and location of transmission facilities.
- The siting of power plants, including renewables such as wind and solar more than five megawatts.

Sometimes a needs application is considered together with a facility application in a single hearing; sometimes separate hearings may be held to consider each application.

Step 1: Public consultation prior to application*

Prior to filing an application with the AUC for the approval of a proposed utility development, the applicant must engage in a public consultation program in the area of the proposed project, so that concerns may be raised, addressed and, if possible, resolved.

The application guidelines and requirements for facility applications can be found in AUC Rule 007: *Applications for Power Plants, Substations, Transmission Lines, Industrial System Designations and Hydro Developments*, and AUC Rule 020: *Rules Respecting Gas Utility Pipelines*.

Potentially affected parties are strongly encouraged to participate in the initial public consultation, as early involvement in discussions with an applicant may lead to greater influence on project planning and what is submitted to the AUC for approval.

The Alberta Electric System Operator, as the system planner, will notify potentially affected stakeholders of applications on the need for transmission development.

Step 2: Application filed with the AUC

When the participant involvement requirements have been completed, the applicant files its application with the AUC through a public filing system, called the eFiling System, on the AUC website.

The application is then reviewed to ensure the information required by the Commission is included. If the required information is not provided, the AUC may close the application or request more

information from the applicant. In the application, any issues that were raised during the public consultation and any related amendments to the proposal should be identified. All unresolved objections or concerns identified during the public consultation must be described in the application.

Step 3: Public notice

The AUC generally issues a notice by mail directly to those who live, operate a business or occupy land in the project area who may be affected by the Commission's decision on the proposed project. The notice for larger facility projects with potentially greater impacts may also be published in local newspapers.

The notice will specify a submission deadline. The information required by this deadline is general in nature as outlined in Step 4. Additional opportunities to provide evidence and additional information will arise after this deadline.

Step 4: Public submissions to the AUC*

The AUC review process is referred to as a proceeding. Anyone with unresolved objections or concerns about the application can file a brief written statement with the AUC on the proceeding. The easiest way to file a statement is to fill out the form through the eFiling System found on the AUC website. The statement must include your contact information, where you reside or own property in relation to the proposed facility, your concern or interest in the application, an explanation of your position and what you feel the AUC should decide.

The AUC uses the information it gathers through the forms to decide whether to hold a hearing on the application(s). The Commission must hold a hearing if a person can demonstrate that he or she has rights that may be directly or adversely affected by the Commission's decision on the application. Such a person is said to have standing before the Commission. If the AUC decides to hold a hearing, the AUC will provide further opportunities for participants with standing to understand the application and present their position on the application either in writing or in person.

Subject to some limited exceptions, all information and materials provided as part of an AUC proceeding will become part of the public record and will be available through the eFiling System. The AUC's treatment of some types of information as confidential is rare and only available under limited circumstances to ensure that the AUC's process is open and transparent.

AUC eFiling System

The eFiling System is the tool that the AUC uses to manage applications and submissions in its proceeding-based review. The eFiling System gives access to all public documents associated with an application and is how to provide your input to the AUC and monitor the related proceeding filings. Those who do not have access to the internet can send submissions, evidence and other material by mail and the AUC will upload the submission on their behalf.

***Opportunity for public involvement**