



## INTRODUCTION

Wild Run L.P. through its general partner, Enel Alberta Wind Inc., is developing the Grizzly Bear Creek Wind Power Project (the Project) located in the counties of Minburn and Vermilion River. You are receiving this newsletter because you live or own land near the project. Enel Alberta Wind Inc. is a subsidiary of Enel Green Power North America, Inc. (EGP)

EGP greatly values the relationship with the community, and we are committed to engaging and consulting with all affected stakeholders. This newsletter provides up-to-date information on this Project, and it gives us the opportunity to seek your feedback.

### IN THIS NEWSLETTER, YOU WILL FIND:

- Project Status
- Anticipated Project Schedule
- Project and Layout Update
- Local benefits
- Contact Information

### INSERT:

- Proposed Project Map
- Shadow Flicker Results
- Noise Contour
- Visual Simulations



## PROJECT BACKGROUND AND OVERVIEW

The Project was previously owned and developed by E.ON Climate and Renewables Canada Inc. In May of 2016 the Project was fully permitted by the Alberta Utilities Commission (AUC), specifications at the time of the approvals were for 50 2.4 MW wind turbines with a total capacity of 120 MW.

EGP acquired the project from E.ON in 2019 and proposes to make amendments to the project layout to increase the overall project capacity. The increase in capacity can be achieved with a reduction in the number of wind turbines.

The Project involves the construction of up to 35 wind turbines, an electrical collection system, access roads, two permanent meteorological towers and a substation. The turbines will be connected through underground collector lines that connect at the substation. The Project will also require temporary laydown areas during construction. A new turbine technology has been selected and as such some adjustments to the layout have been made, we will be seeking AUC approval for the amendments to the layout.

This newsletter includes a map of the amended Project layout as a separate attachment.

The table below compares the wind turbine models from the 2016 layout to the proposed 2020 layout

	2016 LAYOUT	2020 LAYOUT	2020 LAYOUT
Turbine type	Nordex N117/2400	Option 1: Goldwind GW155/4500	Option 2: Vestas V150
Number of turbines	50	34	35
Rated capacity	2.4 MW	4.5 MW	4.3 MW
Rotor Diameter	116.8m	155m	150m
Total height	149.4m	187.5m	180m
Tower Hub height	91m	110m	105m
Total Project maximum output to the Alberta Grid	120 MW	152 MW	150.5 MW

Table 1: Comparison of the turbine type and layout from 2016 to June 2020

## TURBINE AND LAYOUT CHANGES

Wind turbine technology is rapidly changing and the wind turbine model which was proposed in 2016 is no longer available. In order to improve the financial competitiveness of the Project, it is now intended to use fewer wind turbines but with a higher rated capacity. The overall export capacity to the Alberta Grid has also increased from 120 MW up to 152 MW, but with a reduction in the overall project footprint.

Two wind turbine models are under consideration, these are the Goldwind GW155/4500 model turbine which has a capacity of 4.5 MW; and the Vestas V150 which has a capacity of 4.3 MW. A comparison table is included above. Some additional locations have been included to ensure optionality for detailed engineering. A final selection will be made prior to the AUC amendment application and stakeholders will be notified of the final model selection and turbine locations in a newsletter update.

The overall layout has been amended for the new turbine model and includes minor adjustment to turbine locations and infrastructure (such as access roads and collector lines). Wind turbines are located within 50m of the original permitted locations.

Careful consideration has been given throughout the layout redesign process of environmental impacts as well as noise, shadow flicker and visual impacts. Where required to minimize environmental, noise and shadow flicker impacts, wind turbines and associated infrastructure have been moved.

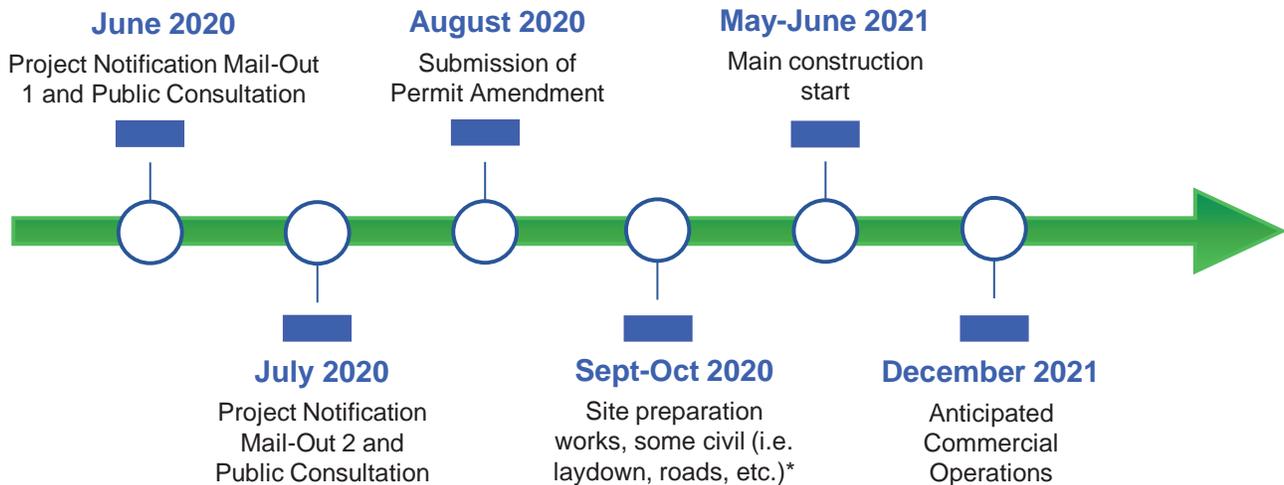
A map showing the amendments to the layout is provided in a separate attachment.



Canadian Wind Energy Association: <https://canwea.ca/wind-facts/why-wind-works>

# ANTICIPATED PROJECT SCHEDULE

Schedule is subject to change



\* This will only apply to infrastructure approved in 2016 and does not apply to any amended infrastructure. Further consultation will be undertaken prior to the commencement of any works.

## DECOMMISSIONING AND RECLAMATION

The Conservation and Reclamation Directive came into effect for renewable energy operations in September 2018. At the end of the Project's operational life the wind farm and ancillary components will be decommissioned and reclaimed in accordance with regulatory requirements. Wild Run L.P. commits to satisfying the requirements stated within the Directive and moreover, will follow applicable criteria, standards and best management practices when undertaking the decommissioning and reclamation works.



## COMMUNITY BENEFITS

We value the long-term benefits of working with the local community. The surrounding community will benefit from the following:

- o Employment opportunities during construction
- o Permanent employment opportunities during operations
- o Contracting opportunities for local businesses
- o Royalties for landowners
- o Tax revenue for the counties of Minburn and Vermilion River.

These benefits will enrich the community throughout the 20-plus years of the Project's operational life.

## Environmental Studies

Much the same as other forms of energy or resource development in Alberta, wind power projects have potential to result in impacts to environmental and cultural resources, including but not limited to impacts to wildlife, vegetation, water and soils. The Project is currently undertaking required studies and mitigation planning to identify and minimize potential impacts and will comply with all commitments and conditions in its regulatory approvals.

## Noise Impact Assessment

In Alberta, energy facilities must comply with AUC Rule 012: Noise Control. This rule requires the cumulative assessment of noise emissions, including existing and proposed power projects, oil and gas facilities, and other energy-related facilities. Under Rule 012, the Project must demonstrate that noise levels do not exceed the permissible sound level at residences located within 1.5 kilometers (km) of the proposed facility boundary. The permissible sound level is based on the dwelling density and distance from heavily travelled roads or rail lines, in this case Rule 012 stipulates that the nighttime permissible sound level is 40 dBA. The Project is fully compliant with the Rule 012 requirements. The Project map identifies residences within 1.5 km of the Project boundary and the corresponding 40dBA nighttime permissible sound level contour.

## Shadow Flicker Analysis

Shadow flicker can occur when the sun passes behind the rotor of a wind turbine and casts a moving shadow over a residence, where this shadow passes over a narrow opening, such as a window, the moving rotor can cause the light levels to 'flicker'. The shadow flicker effect can only be experienced inside buildings. The potential effects of shadow flicker have been modelled and considered throughout the layout redesign process for this Project. The results of the shadow flicker analysis are summarized on the enclosed Project Map.

## Visual Simulations

A series of visual simulations have been prepared; these are intended to demonstrate how the Project will appear in the landscape from a range of locations. The visual simulations are attached to this newsletter. The locations selected represent views of the project from north, south, east and west and are representative of the views that residents and local commuters in the area will experience.

### NEXT STEPS

We are committed to continued engagement with landowners and stakeholders. We will continue to engage with residents, landowners and occupants within 800m of the Project via one-on-one consultation. The consultation process will be documented and we will seek to address any questions or concerns you may have in relation to the project.

If you would like to contact us directly, please use the information provided below.

### CONTACT INFORMATION

If you have any questions or concerns about this Project, please contact our consultation agents:

**Phone:** Christopher Poitras: 403-510-2341 or Michael Stafford: 403-808-5199

**Email:** [grizzlybearcreek@enel.com](mailto:grizzlybearcreek@enel.com)

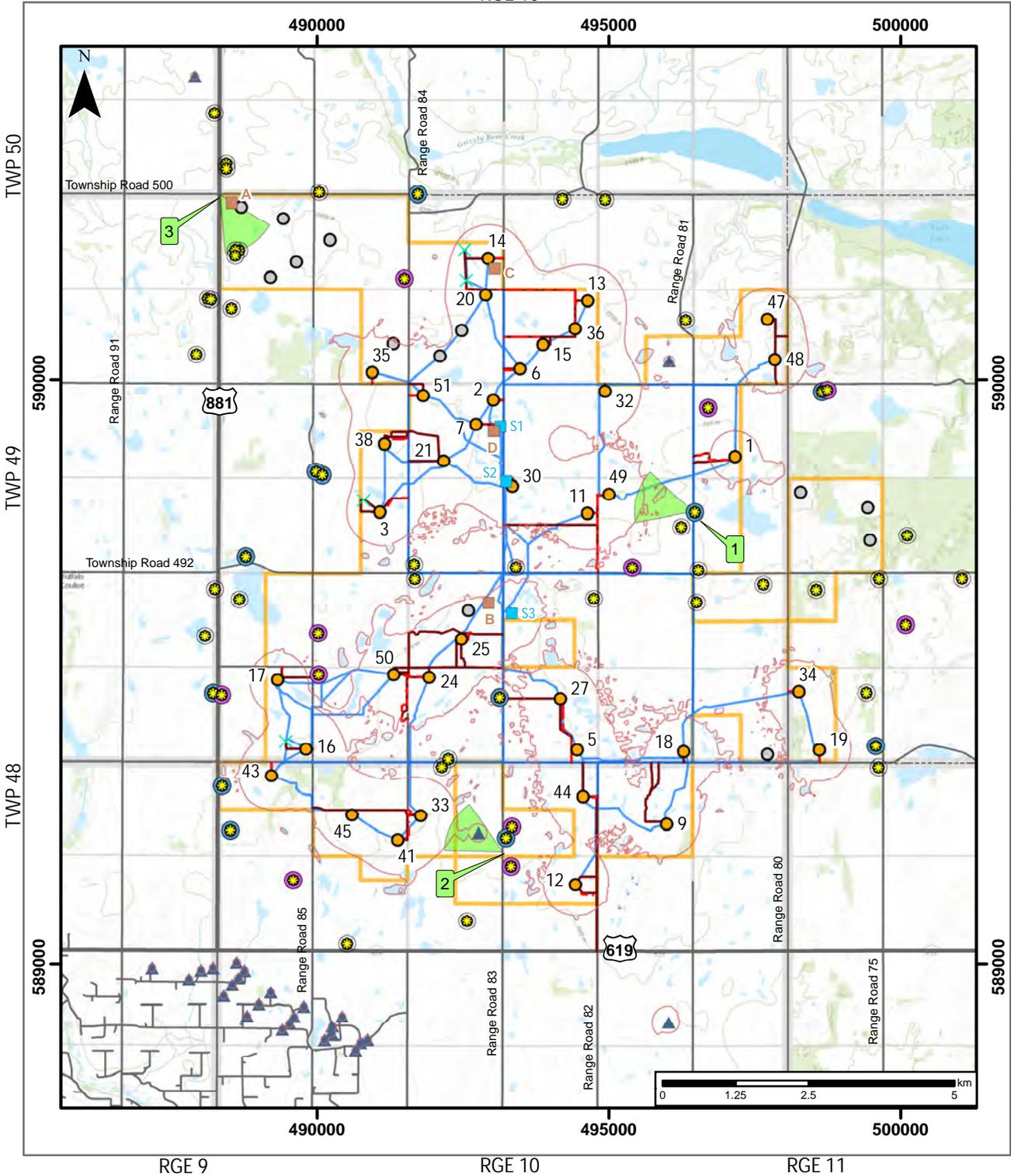
For further information on the Project, please visit the Project website: [www.enelgreenpower.com/grizzly-bear-creek-wind-project](http://www.enelgreenpower.com/grizzly-bear-creek-wind-project)

For more information about our operations in North America, please visit: [www.enelgreenpower.com/country-north-america](http://www.enelgreenpower.com/country-north-america)

RGE 9

RGE 10

RGE 11



Project Name: Grizzly Bear Creek Wind Project  
 Document Title: Project Overview and Analysis Map  
 Scale: 1:100,000 @ Letter

Legend:

Project Components

- Proposed Turbine Location
- Previously Approved Turbine Removed
- Proposed Substation Location(s)
- Proposed Met Mast Location(s)
- Laydown Yard / O&M Building(s)
- Proposed Collection Line
- Previously Approved Access Road
- Proposed Access Road
- Project Area

Other Components

- Residence
- Third Party Facility
- Waterbody
- Sectional Boundary
- Township Line
- Highway
- Municipal Road

Project Analysis:

- Viewpoint Location and Field of View

Shadow Flicker Receptors

(Expected Hours Per Year)

- 0hrs
- Up to 10hrs
- Up to 20hrs
- Cumulative Nighttime Permissible Sound Level Contour (40dBA)



Service Layer Credits: Sources: Esri, HERE, Garmin, Intermap, Increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, © OpenStreetMap contributors, and the GIS User Community

Client: Wind Run L.P.  
 Drawing by: Green Cat Renewables Canada Corp.

Document Number: GBC\_1  
 Version: 3.0  
 Author: NE  
 Checked by: CM  
 Approved by: SW  
 Date: 02/06/2020

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Photomontage

View flat at a comfortable arm's length

Viewpoint Location:	E496433 N589737	Field of View:	53.5° (planar)	Camera:	Nikon D3000
Viewpoint Elevation:	700m AOD	Principal Distance:	812.5mm	Lens:	35mm (Nikkor)
View Direction:	286°	Paper size:	841 x 297mm	Camera height:	1.5 AGL
Nearest Turbine:	1.5km	Printed image size:	820 x 260mm	Date and time:	29/10/2010 12:45

Viewpoint 01c



Photomontage

View flat at a comfortable arm's length

Viewpoint Location:	E493179 N5891916	Field of View:	53.5° (planar)	Camera:	Nikon D3000
Viewpoint Elevation:	703m AOD	Principal Distance:	812.5mm	Lens:	35mm (Nikkor)
View Direction:	286°	Paper size:	841 x 297mm	Camera height:	1.5 AGL
Nearest Turbine:	1.5km	Printed image size:	820 x 260mm	Date and time:	29/10/2010 12:05

Viewpoint 02c



Photomontage

View flat at a comfortable arm's length

Viewpoint 03c

Viewpoint Location:	E488334 N5903161	Field of View:	53.5° (planar)	Camera:	Nikon D3000
Viewpoint Elevation:	686m AOD	Principal Distance:	812.5mm	Lens:	35mm (Nikkor)
View Direction:	148°	Paper size:	841 x 297mm	Camera height:	1.5 AGL
Nearest Turbine:	4km	Printed image size:	820 x 260mm	Date and time:	29/10/2010 13:49



Photomontage

View flat at a comfortable arm's length

Viewpoint 04c

Viewpoint Location:	E489341 N5908956	Field of View:	53.5° (planar)	Camera:	Nikon D3000
Viewpoint Elevation:	621m AOD	Principal Distance:	812.5mm	Lens:	35mm (Nikkor)
View Direction:	143°	Paper size:	841 x 297mm	Camera height:	1.5 AGL
Nearest Turbine:	7.8km	Printed image size:	820 x 260mm	Date and time:	29/10/2010 14:14

## 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](mailto:info@auc.ab.ca)

Eau Claire Tower                      106 Street Building  
1400, 600 Third Avenue S.W.      10th Floor, 10055 106 Street  
Calgary, Alberta T2P 0G5            Edmonton, Alberta T5J 2Y2

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](http://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**