



Halkirk 2 Wind Project - Information Sharing Sessions: Compiled Overview of Feedback and Questions

On June 8 and June 9, 2022, Capital Power hosted two public information sharing sessions at the Halkirk Community Hall to share Halkirk 2 Wind project updates, including final design layout with the community and answer questions. More than 35 people attended the information sharing sessions over the two days. Below is a summary of the feedback we heard. It is not intended to be an exhaustive list of all feedback shared.

Feedback/Topic of interest or concern from attendees	Information from Capital Power
<p>Trust</p> <ul style="list-style-type: none"> • Feedback about using our current land agent. Some attendees expressed concerns with transparency and integrity from past experiences 6 years ago. • Questions and comments around operations and how Capital Power is held accountable to the current modeling for noise and shadow flicker. See Noise and Shadow Flicker section below. <ul style="list-style-type: none"> ○ Suggestion from the community that a method for proactive feedback be developed and implemented for regular and ongoing community feedback. 	<ul style="list-style-type: none"> • Capital Power takes ethics, integrity, honesty and professionalism of our employees and contractors seriously. Access Land Services has worked with Capital Power for more than six years on various projects, providing in depth knowledge, expertise and respectful, interactions with community members. The Halkirk 2 Wind (“Project”) is the only project on which we have received any negative feedback about Access Land. The alleged issues were previously discussed during the AUC public hearing in November 2017. None of the complaints were substantiated at the hearing. We will continue to use Access Land for the expertise they provide and because of the predominantly positive feedback we receive. • In granting permits to operate generating facilities, the AUC can and does issue conditions to project proponents for the post-construction period. This can include, for example, continued noise monitoring and studies as a condition of approval. The AUC’s 2018 decision approving the Project (Decision 22563-D01-2018) included such a condition. To the extent operations exceed applicable requirements, mitigation actions (such as curtailment) will be undertaken by Capital Power and can be directed by the AUC. • We strongly encourage residents to notify us if they have any issues or concerns so we can promptly investigate and work together to develop solutions. Capital Power maintains an email CanadaDevelopment@capitalpower.com, toll-free telephone number 1-

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	<p>855-903-5005 and an on-site manager located at our Operations & Maintenance Building in the Village of Halkirk.</p> <ul style="list-style-type: none"> • Throughout construction and operations, Capital Power will continue to provide opportunities for engagement and input through regular newsletters, email and telephone. Once a project is operational, the site manager is also available via phone, email or in person meetings, to discuss any potential issues. Capital Power has also heard that we should provide more in person opportunities and will work with the community to determine the best approach. • Capital Power requests that residents advise of concerns and issues at their earliest convenience so we are aware of them and can investigate and work together on developing practical solutions.
<p>Visual Impacts/Siting</p> <ul style="list-style-type: none"> • Concerned with wind turbine lighting being disruptive and invasive. • Why is T18 in an island of available land surrounded by non-participating landowners? • Questions about the municipal constraints map and why it shows some residents have 1,000 metre buffer while others have a 500-metre buffer. Attendees also asked about our participation rate for the project. • Could the project be shifted to a less densely populated area or to the reclaimed lands at the Battle River Mine as an option? 	<ul style="list-style-type: none"> • An Aircraft Detection Lighting System (“ADLS”) will be installed to mitigate the impact of the required lighting on the community. ADLS uses radar to detect aircraft within the vicinity of the project and turns on the navigation lighting only if an aircraft is nearby. • T18 meets all required provincial and county setbacks, as such, its proximity to non-participating landowners has been taken into consideration during the siting process. At this time, it is not being considered for re-location. • The Municipal Constraints Map that was included in Project Information Package # 2 is accurate. The setbacks correspond to Paintearth County’s Land Use Bylaw 698-21 which requires a minimum setback of 500 metres from any dwelling on lands leased for wind energy developments and a 1,000 metre setback from any dwelling on lands not leased for wind energy developments. The dwellings located outside the project are in Flagstaff County, were afforded the same 1,000 metre setback distance. • The Municipal Constraints Map was developed to show various setbacks that help inform Project siting. Execution of a lease agreement informs the corresponding municipal setback. Resident participation rate is not a factor associated with Project regulatory approval. We have not added any

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	<p>new land to the revised Project, and we have intentionally not sited any infrastructure on land where landowners have expressed interest in no longer being included in the Project.</p> <ul style="list-style-type: none"> The Project site was selected for its strong wind resource, privately owned land, and access to available transmission. These attributes are not abundant throughout the province, and as such, make locating wind projects a difficult task. Re-locating or shifting the Project is not a feasible option. Similarly, siting the Project on the reclaimed land of the Battle River Mine is not feasible because this land has not been made available by the landowner and further is likely not suitable ground for the installation of wind turbine foundations.
<p>Community Safety</p> <ul style="list-style-type: none"> Concern about ice throw and some turbines being close to roads (e.g., T 18 and T28 to road(s)). 	<ul style="list-style-type: none"> The wind turbine technology chosen for the Project will include an ice detection system to prevent ice impacts. Modern wind turbine design mitigates ice throw risk and includes a brake system to stop the blade rotation in the event of ice build-up. The turbine(s) will not be restarted until the sensors and/or Operations determine the blades are free of ice. As a result, ice impacts will be prevented.
<p>Land Sterilization</p> <ul style="list-style-type: none"> There is some perception that the location of wind turbines on neighbouring “participating” land sterilizes nonparticipating land and prohibits building future developments. 	<ul style="list-style-type: none"> The location of wind turbines on neighbouring land does not impact your ability for a future development, as the County bylaw does not prohibit development within the setback of wind turbines. For more information on this, please consult with the administrative staff at the County of Paintearth.
<p>Aerodrome</p> <ul style="list-style-type: none"> Concerned with the safe operation of the registered aerodrome in the community – and requested a 4,000m buffer. Error in previous application showing an aerodrome where there is no aerodrome. 	<ul style="list-style-type: none"> We have listened to community feedback and the owner’s concerns to accommodate the continued safe operation of a registered aerodrome (CPE8) in the Project area. We removed 11 wind turbines from within the 4,000-metre radius from the original approved layout (2018). Since November 2021, we moved an additional three wind turbines (T-9, T-10

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	<p>and T-26) from within the 4,000-metre radius. There are currently three wind turbines remaining (T-18, T-24 and T-25) within the 4,000-metre radius.</p> <ul style="list-style-type: none"> • We are confident in the safe operation of our revised Project design and have worked hard to site a Project with the least amount of impact to the aerodrome and the community. This is supported by an independent aviation expert who has concluded that the aerodrome can be operated safely based on the new layout. • The Project layout abides by all relevant Transport Canada and Nav Canada requirements as well as the County’s Land Use Bylaws. Our Aeronautical Assessment Form for Obstruction Evaluation (Feb. 15, 2017) states there was an <u>indefinite</u> aerodrome approximately 9.46 km NW of the Project Area. Revised forms to NAV and Transport Canada will be required given the updated project layout.
<p>Benefits/Compensation</p> <ul style="list-style-type: none"> • Concerns that non-lease holders who live adjacent to lease holder residents/ landowners do not receive any financial compensation for “living with the wind turbines” in their backyards. • Concerned that some landowners are not residents and do not bear the impact of living with the operations of a wind facility. 	<ul style="list-style-type: none"> • All landowners no matter where their permanent address is located have the right to develop their property as desired within applicable regulations. • Lease agreements, which are critical to our developments and required for lands that host our project infrastructure, are between the landowner and Capital Power only. We work together with residents, community members and landowners throughout the life cycle of our projects to develop and operate a facility with the goal to have the least amount of impact and provide positive benefits to the local community. Capital Power believes that there are a number of ways outside of a lease agreement to provide benefits to the local community including non-leaseholders, such as increased tax revenue to the County to pay for services, support for local community programs and initiatives, employment and contracting opportunities during construction and operations.

Agriculture/Environment

- What is the cleaning process for equipment moving between quarter sections – worried about weeds spreading, clubroot, etc.?

- We will employ proven mitigative measures to minimize or eliminate the introduction or spread of noxious weeds and soil borne diseases during the planning, construction, operation, and decommissioning stages of the Project.
- We will collaborate with our contractors to ensure that all construction equipment entering the Project area is thoroughly cleaned, free of dirt, mud and vegetative materials or debris that may contain noxious weed seeds or controlled pests to limit the potential for introduction of noxious weeds and soil borne diseases. All equipment traversing from lands to lands will also be cleaned by thoroughly knocking or scraping off soil lumps and sweeping of loose soil.
- We will abide by the *Alberta Weed Control Act* and the *Agricultural Pests Act* will eradicate any prohibited noxious weed species.
- Clubroot is not anticipated to be present in the Project area; however, should a landowner request Capital Power to take steps to prevent the spread of clubroot or the County identifies areas where clubroot mitigation is required, [Clubroot Best Management Protocols](#) from Alberta Agriculture and Forestry will be followed.

Shadow flicker and noise modeling vs in operation reality

- Concerned if our modeling is wrong and results are greater in operation how are we held accountable and what repercussions/rights do the residents have living with the facility. How will Capital Power investigate and mitigate concerns? How can residents submit concerns? How quickly will Capital Power investigate and implement mitigation measures?
- Some residents are shift workers. The nighttime permissible limit is less at night (40 dBA) than during the day (50 dBA). How are noise complaints investigated? Are there penalties?

- In the event we are notified about shadow flicker concerns at a residence, we will investigate and work directly with the residents to understand the issue and implement appropriate mitigation, as required including temporarily pausing wind turbines.
- We are regulated by the [AUC Rule 012 Noise Control](#), which specifies permissible sound levels and the process for addressing any noise complaints. While noise generated from the turbines is predicted to be less than most background ambient noise, Capital Power will be required to perform a noise study in the first year of operations and Capital Power will work with any residents who may experience noise concerns including implanting mitigation measures where appropriate.

Township Road 400

- Concerned with construction traffic impacts on Township Road 400 because it's the main road in the community used by school buses and emergency vehicles.

- We have extensive experience in construction of wind facilities in agricultural areas and we strive to minimize impacts to local traffic and farming operations. Our preliminary transportation plan assumes turbine deliveries will be arriving on Secondary Highway 855 and then travel east on TWP 400. This is subject to change based on discussions with Paintearth County and turbine vendors but is the preferred route at present owing to the fact TWP 400 is built to withstand heavy traffic and accommodate safe two-way traffic.
- We will not use any public roads as staging areas and we do not have any construction activities that will require extended road closures. There will likely be brief closures of a few minutes to accommodate oversize loads. In some instances where collector lines are installed along public road Right-of-Ways, project equipment will be on the road for that work. Any road crossings will be bored under the road to avoid road closures. Traffic control will be present to ensure all temporary closures are managed safely and we will be enforcing a strict speed limit with our contractors. All major deliveries will be scheduled so as not to impede school bus schedules.
- We will communicate daily gravel, concrete and wind turbine component delivery routes and projected schedules through various channels.