



# OYEN WIND POWER PROJECT

## About the Project

Renewable Energy Systems Canada Inc. (RES), is proposing to develop, construct and operate a wind power project of up to 466 megawatts (MW) of generation to be located north of the town of Oyen, Alberta, located in Special Areas 3.

This Project would produce enough electricity to power over 150,000 Alberta homes.

## Project Update

The Oyen Wind Power Project (the “Project”) is planned to be constructed in two Phases. Phase 1 is expected to be constructed in 2024-2026 with a commercial operation date of Q4 2026. Phase 2 is expected to be constructed in 2025-2026 with a COD of Q4 2026.

### Preliminary Project layout

The Preliminary Project Layout, includes 90 turbine locations, of which 7 are alternate locations, for a maximum of 83 turbines divided into 2 phases. Phase 1 will include a maximum of 45 turbines for a generation capacity of 250 MW and Phase 2 will include a maximum of 38 turbines for a generation capacity of 216 MW.

We are currently examining several turbine models with nameplate capacities between 5.7 MW and 6.6 MW which could have a maximum tower height of 120 metres and a maximum blade length of 85 metres. The final number of turbines will be determined once the turbine model has been selected.

RES has been gathering feedback on the preliminary layout and expects to discuss the layout with stakeholders in person during the 2<sup>nd</sup> Open House on October 3<sup>rd</sup>. This feedback will be taken into consideration for the final layout. Therefore, the preliminary layout is subject to change.

### Interconnection

The Project proposes to build a short transmission line to connect to the existing 240 kV transmission line owned and operated by ATCO to the west of the Project Area. If approved, the transmission connection would be built along the existing line to connect to the existing Lanfine Substation (959S). We will be consulting separately regarding the Interconnection Project.

**OYEN WIND PROJECT**  
**2nd PUBLIC OPEN HOUSE**  
**October 3<sup>rd</sup>, 2023**  
**From 5-8 pm**  
**Canalta Hotel**  
**Highway-9 & AB-41, Oyen, AB**

# Ongoing Development Activities

## Studies and assessments

As part of the government review process, wind projects are subject to various environmental study and reporting requirements. In order to meet these requirements and to design the Project layout, we are conducting a number of studies, including desktop and field studies focused on:

- Wildlife field surveys - **completed**
- Wetlands classification and mapping - **completed**
- Vegetation Field Surveys and Mapping - **complete**
- Preliminary Geotechnical Studies – **completed**
- Soil Surveys - **upcoming**
- Noise Impact Assessment – **complete for preliminary layout – see attached contour map**
- Shadow Flicker Assessment - **complete for preliminary layout – see attached contour map**
- Sub-surface surveys for oil and gas facilities & other underground infrastructure – **initiated**
- Visual Simulations of the Project – **complete for preliminary**



## AUC Moratorium Update

In late July, the AUC had announced a 6 month pause on approvals for new renewable electricity generation. On August 22, the AUC announced that it will continue to process applications up to the approval stage for new hydro developments and power plants that produce renewable electricity while the approval pause period is in effect. The AUC is prohibited from issuing approvals until the pause period expires on February 29, 2024. **The pause is not expected to affect the Project schedule.**

We hope you will be able to join us  
for our second public Open House which will be a great  
opportunity to meet the team, learn more about the project  
and ask any question you may have.

Looking forward to seeing you there!

## About the AUC

The Alberta Utilities Commission (AUC) is a quasi-judicial independent agency established by the Government of Alberta, responsible to ensure that the delivery of Alberta's utility service takes place in a manner that is fair, responsible and in the public interest. They regulate investor-owned natural gas, electric and water utilities, and certain municipally owned electric utilities to protect social, economic and environmental interests of Alberta where competitive market forces do not.

For more information about the regulatory process, please contact:

ALBERTA UTILITIES COMMISSION

Phone: 780-427-4903, Email: [consumer-relations@auc.ab.ca](mailto:consumer-relations@auc.ab.ca), Website: [auc.ab.ca](http://auc.ab.ca)

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## Community Benefits

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RES is an active player in the communities it is involved in and can support various fundraising events and special initiatives that bring local benefit. Some of the contributions we have made so far include (but are not limited to): Oyen Rodeo 2022 and 2023, Halo Air Ambulance, Oyen District and Golf Club, Oyen Curling Club.

If you have any ideas on how we can take an active role in the community,  
please contact us to discuss community contributions or sponsorship opportunities.

## Local benefits

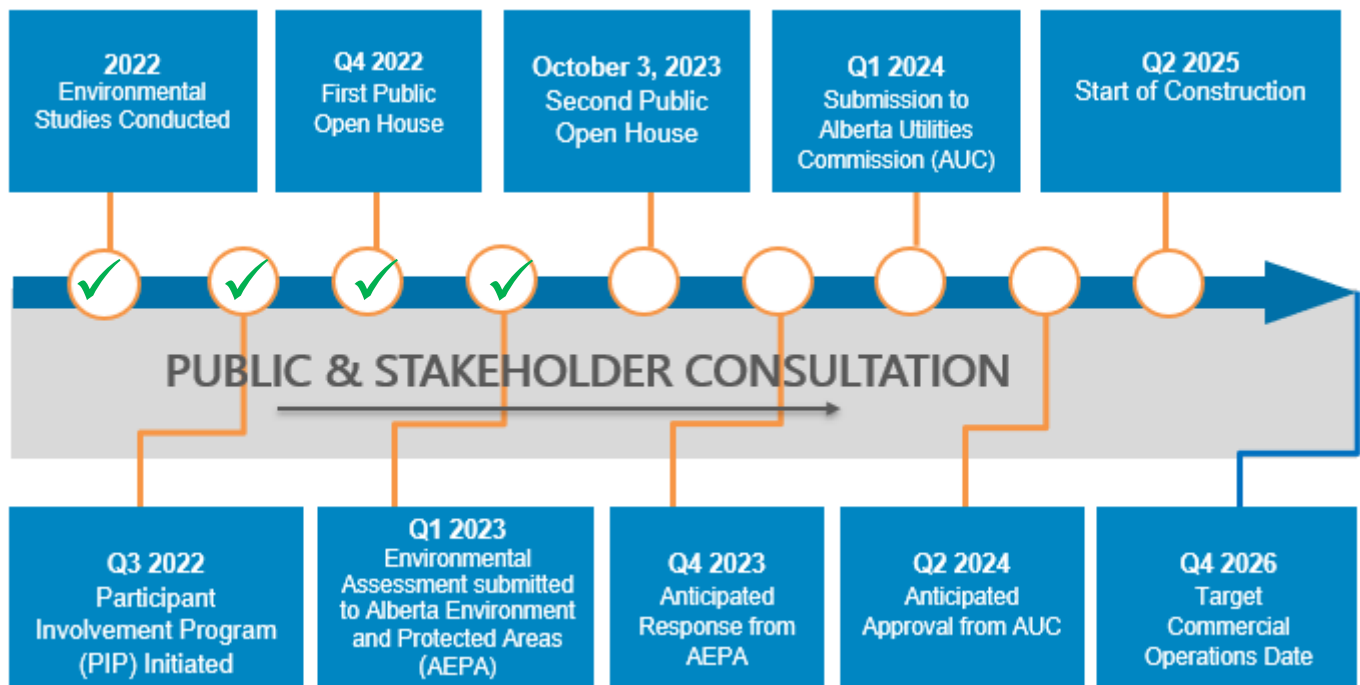
The Oyen Project will bring substantial local economic and social benefits to the community. These include:

- Municipal tax revenues throughout the life of the Project
- Annual Community Benefit Fund of up to \$50,000 per year
- Annual lease payments to landowners hosting the Project, providing a parallel, secure revenue stream to standard farming operations
- Construction and operations jobs and support services during construction and throughout the life of the Project
- Contracting opportunities for local business
- Increased local spending on goods and services during the Project's development, construction and operational phases

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## Updated Proposed Project Schedule

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## WHY WIND?

### Affordability:

Thanks to the evolution of wind turbine technology and other factors, wind energy is the **lowest-cost option for new electricity generation in Alberta** today, all sources combined.

### Environment:

Wind energy produces no carbon emissions or other air contaminants. It is a key solution to fighting climate change.

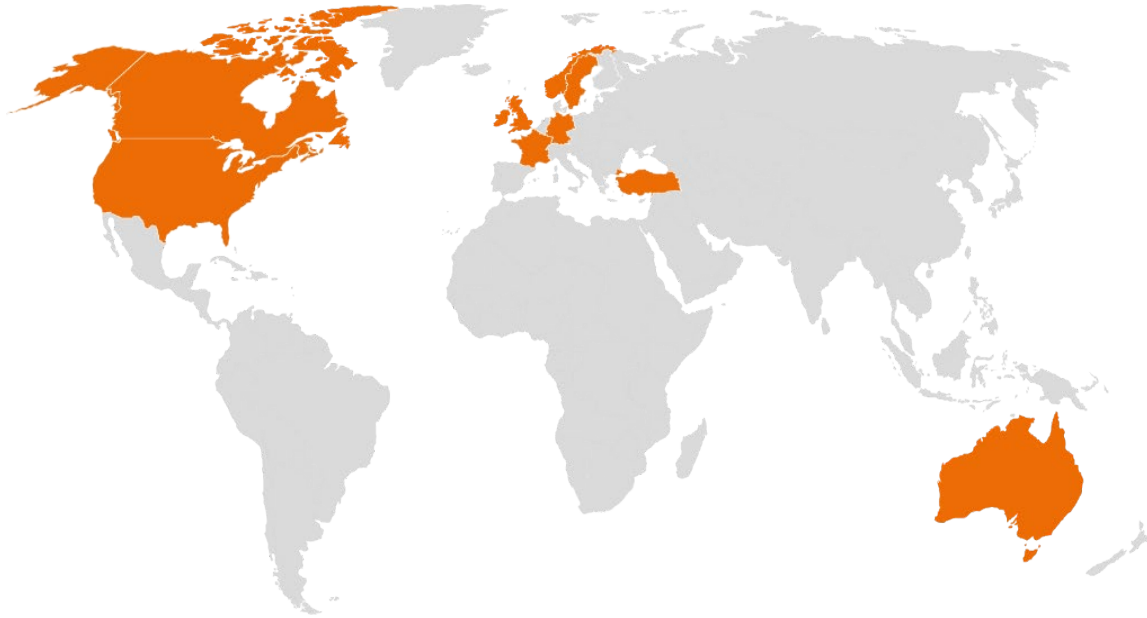
### Community:

Wind projects benefit local communities through economic development, job creation, training, lease payments to local landowners and tax payments to the host County.

## 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 1981. 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.



**23<sub>GW</sub>** PROJECT PORTFOLIO

**40** YEARS OF EXPERIENCE

**9<sub>GW</sub>** OF OPERATIONAL ASSETS SUPPORTED

### ACTIVITIES



DEVELOP



CONSTRUCT



OPERATE

### TECHNOLOGIES



WIND



SOLAR



STORAGE



T&D

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