

Farmers' Advocate Office

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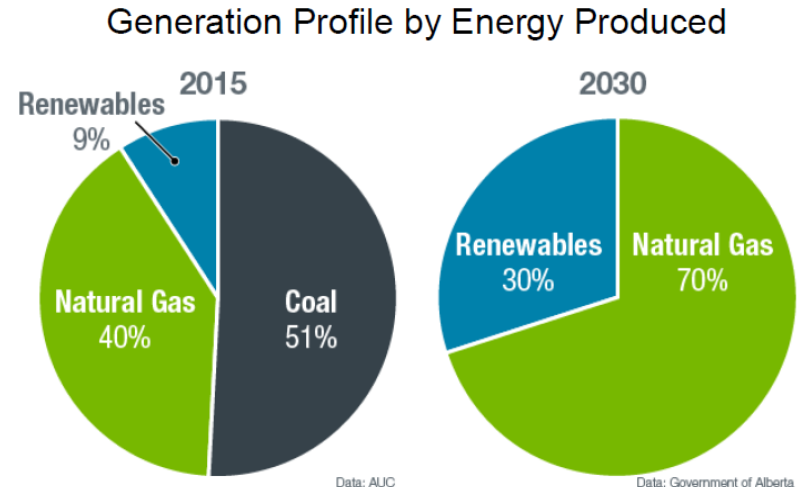
Synergy Alberta Workshop – Renewable Energy

Red Deer AB, February 2, 2023



Background

- **2015 - the Government of Alberta introduced the Climate Leadership Plan (CLP)**
 - Phase out coal-generated electricity and generate 30% of electricity from renewable sources by 2030
- **“renewable energy resource”**
 - Moving water
 - Wind
 - Heat from the earth
 - Sunlight, and
 - Sustainable biomass



Wind & Solar Resources

Wind¹ 



Solar² 

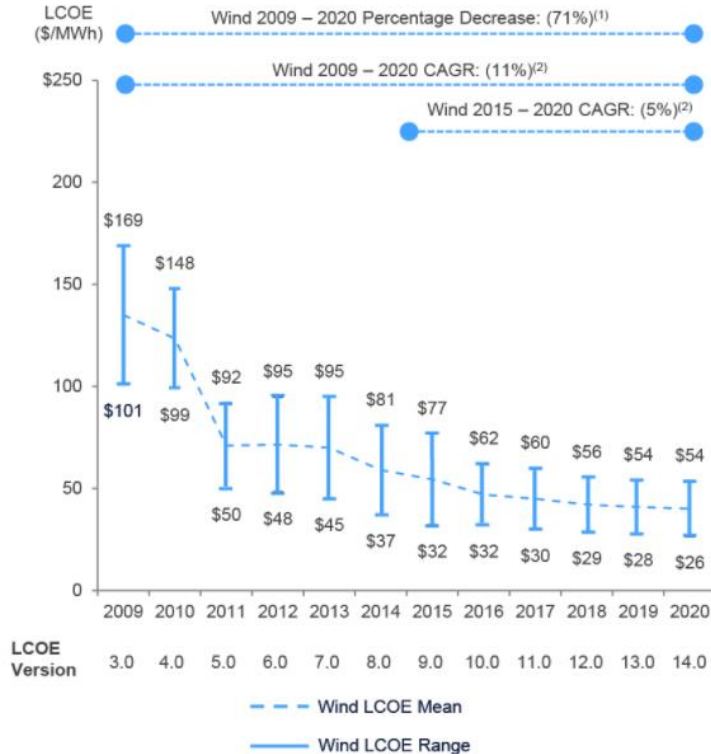


Excellent Good Suitable Low

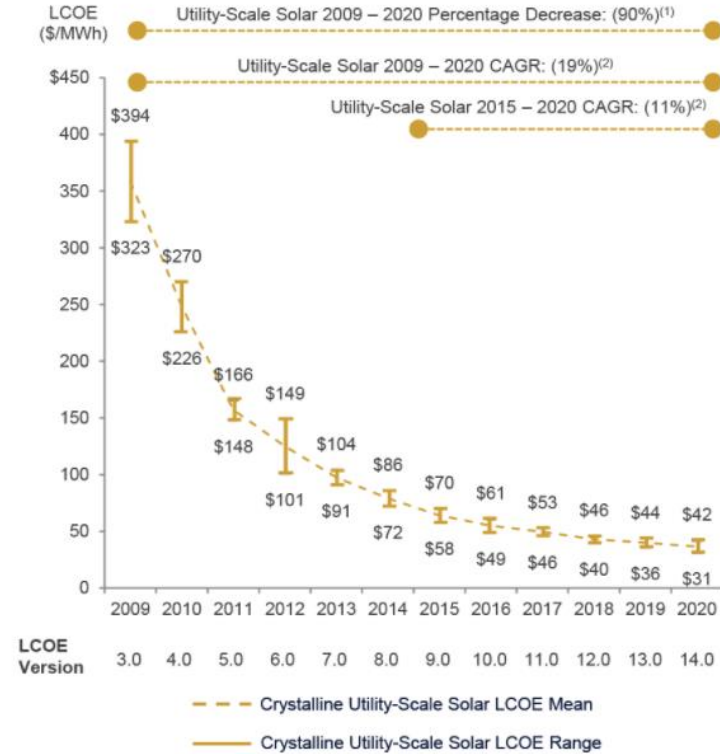
Source: Pembina Institute

Wind & Solar Costs

Unsubsidized Wind LCOE



Unsubsidized Solar PV LCOE

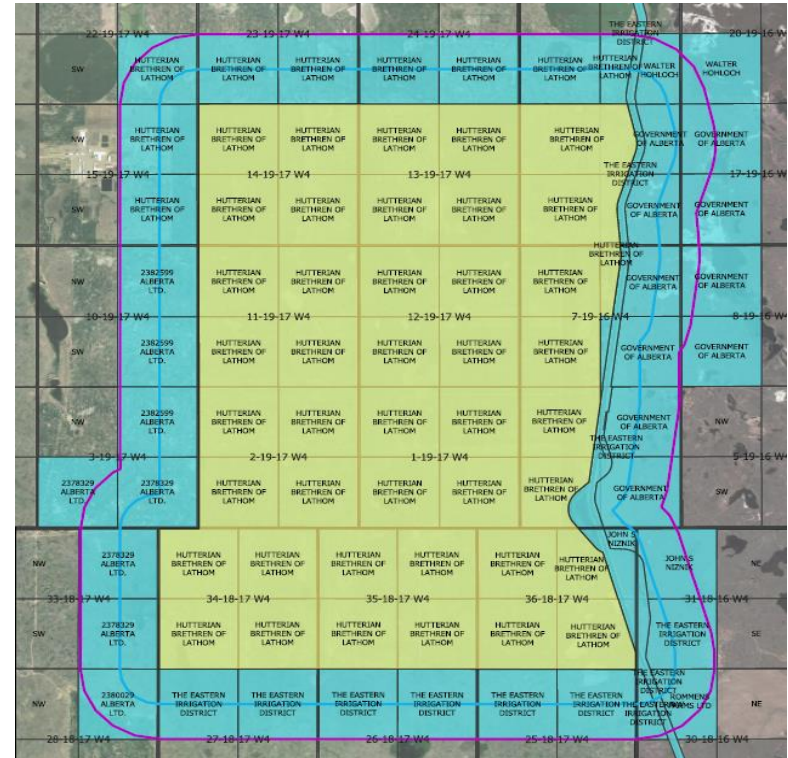
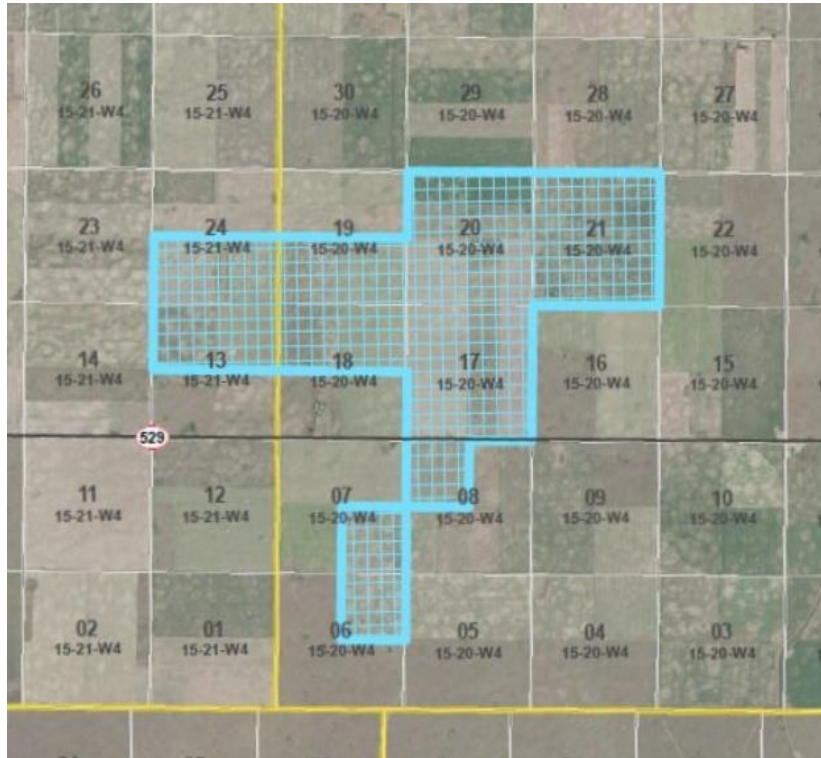


Source: Lazard

Choice of Energy



Scale of Development



Size of Equipment



Pile Foundations



Panel Racking



Module Installation

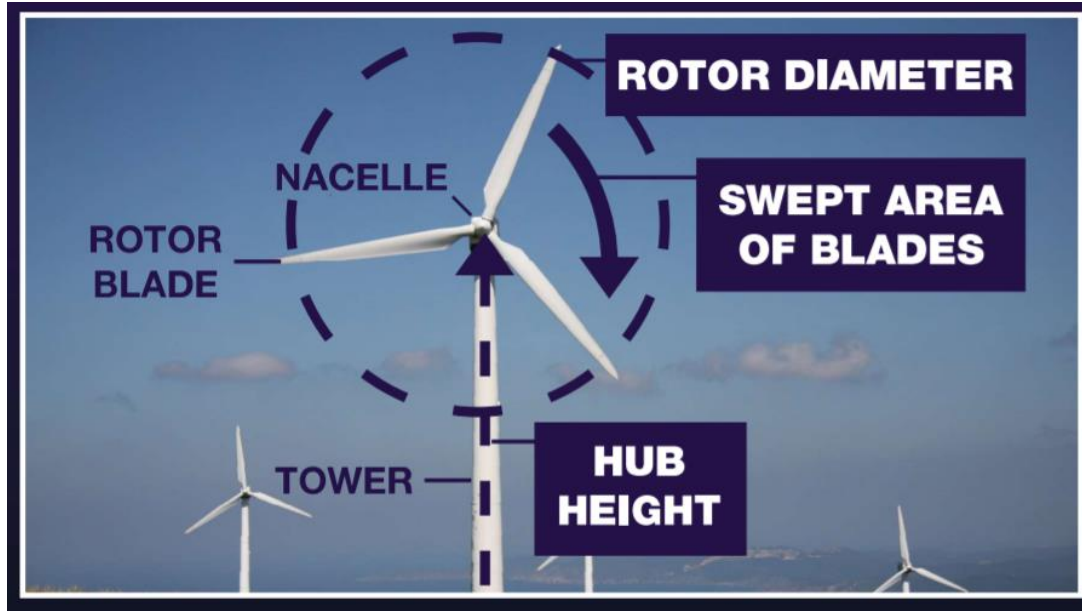


Electrical Components



Size of Equipment

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Organization Roles

The **Alberta Utilities Commission (AUC)** regulates the utilities sector, natural gas and electricity markets to protect the social, economic and environmental interests of Alberta where competitive market forces do not. The AUC does not create legislation.

Alberta Electric System Operator (AESO) is a non-profit entity that manages supply and demand of electricity in Alberta, including dispatching electricity, planning the system for the future, and operating the provincial power grid.

Environment and Protected Areas (EPA) is a department of the Government of Alberta that manages the *Wildlife Guidelines for Wind Energy Projects* and the *Wildlife Guidelines for Solar Energy Projects*. AEP is also oversees reclamation requirements for wind and solar projects.

The **Farmers' & Property Rights Advocate Office (FPRAO)** is resource for rural Albertans that works to ensure landowner rights are recognized, understood, and protected.



Why Does It Matter To Me?

- **Property Rights**
 - Surface Rights Act does not apply
- **Community Impacts**
 - Adjacent Landowner concerns
- **Local Benefits**
 - Employment and Tax Revenue
- **Activity Timelines**
 - Long Term Life-Cycle Developments



Contact Us

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Farmers' Advocate of Alberta

「WE ARE
HERE
TO HELP」

Thank you!