

# Montem Resources

General Meeting  
12 July 2023



# Disclaimers

**Disclaimer** – Montem Resources Limited (“Montem” or “The Company”) has prepared this presentation based on the information available to it. No representation or warranty, expressed or implied, is made as to the fairness, accuracy, completeness or correctness of the information, opinions and conclusions contained in this presentation. To the maximum extent permitted by law, none of Montem, its directors, employees or agents, advisers, nor any other person accepts liability, including, without limitation, any liability arising from fault or negligence on the part of any of them or any other person, for any loss arising from the use of this presentation or its contents or otherwise arising in connection with it. This presentation contains general and background information about Montem’s activities current as at the date of the presentation and should not be considered to be comprehensive or to comprise all the information that an investor should consider when making an investment decision.

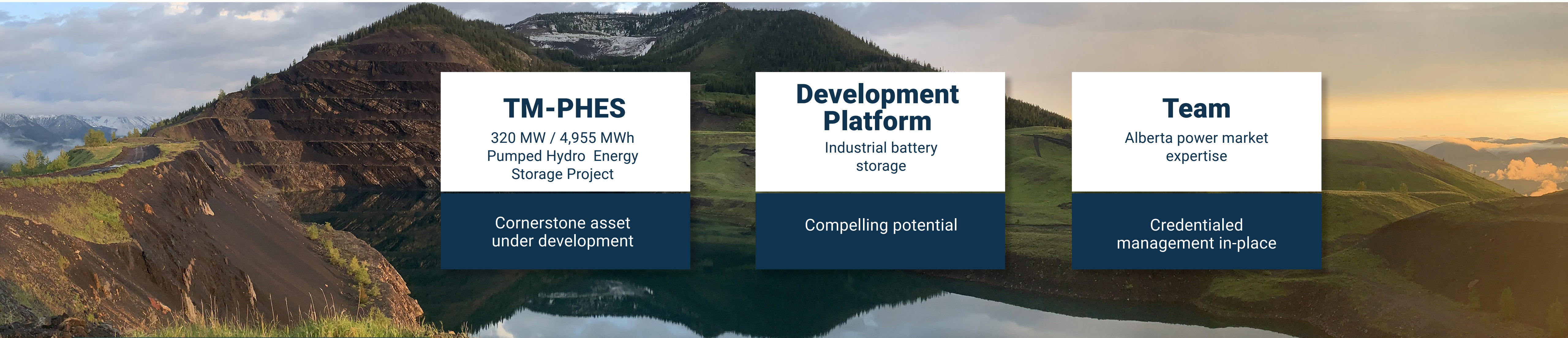
**Forward looking statements** – This presentation may contain forward looking statements that are subject to risk factors, including those associated with power generation and production businesses. Forward looking statements, including projections, forecasts and estimates, are provided as a general guide only and should not be relied on as an indication or guarantee of future performance and involve known and unknown risks, uncertainties and other factors, many of which are outside the control of Montem. Any prospective investor acknowledges that circumstances may change, and the contents of this presentation may become outdated as a result. Each prospective investor acknowledges that no audit or review has been undertaken by an independent third party of the assumptions, data, results, calculations and forecasts contained or referred to herein. Forecasts are inherently uncertain by nature and are subject to a range of qualifications and assumptions inherent in them. Those assumptions and qualifications are not generally contained in this presentation. The actual realised returns on any investment will depend on, among other things, the Company’s ability to raise funds, obtain permitting, future operating results, the value of the assets and market conditions, all of which may differ from the assumptions on which this presentation is based.

**No investment advice** - This presentation is not a financial product, investment advice or a recommendation to acquire Montem securities and has been prepared without taking into account the objectives, financial situation or needs of individuals. Before making an investment decision prospective investors should consider the appropriateness of the information having regard to their own objectives, financial situation and needs, and seek legal, taxation and financial advice appropriate to their jurisdiction and circumstances. Montem is not licensed to provide financial product advice in respect of its securities or any other financial products. Any investment in the Company should be regarded as being a speculative investment.

**No offer** - This presentation is not making any offer, inducement, solicitation or invitation of any kind and under no circumstances is it to be construed as a prospectus or advertisement. Without limiting the foregoing, this presentation is intended to be communicated only to such persons as Montem is legally able to communicate it and who are legally able to receive it in their jurisdiction of residence. If you are not such a person, please return the presentation to Montem immediately.

Information in this presentation remains subject to change without notice.





## TM-PHES

320 MW / 4,955 MWh  
Pumped Hydro Energy  
Storage Project

Cornerstone asset  
under development

## Development Platform

Industrial battery  
storage

Compelling potential

## Team

Alberta power market  
expertise

Credentialed  
management in-place

# Summary

Platform of energy storage projects in Alberta - Canada's most attractive competitive power market, including:

- 50% of a ~\$1B pumped hydro energy storage project under development with TransAlta Corporation\*
- Highly experienced team executing on the Development Platform growth plan for ~\$100M+ of industrial battery storage investments

\* In April 2023, Montem completed the sale of 50% of the TM-REX (which includes the TM-PHES) for up to C\$25 million in upfront and milestone payments.





# The TM-PHES will help solve Alberta's net zero challenge

By providing dispatchable renewable energy storage, at large scale,  
the TM-PHES is a critical investment for Alberta on its path to net zero.





# Lower power prices for Albertans

The TM-PHES will stabilize grid energy,  
and lower power prices for all Albertans

# Powering 400,000 Albertan homes

Incredibly, the TM-PHES will simultaneously power  
1/4 of Alberta's homes





## Investment and jobs

The TM-PHES includes an investment of \$1 billion, and will create 200 construction jobs

## Up to 400,000 t/yr CO<sub>2</sub> abated

Powered by renewable energy, the TM-PHES will abate significant CO<sub>2</sub> emissions



# TransAlta Partnership

## TransAlta brings tremendous strength to the partnership

TransAlta (TA) is the foremost Alberta incumbent power producer, with 111 years of operating experience in the province; TA's strengths include:

- Own and operate Alberta's largest conventional run-of-river hydropower assets; deep operational knowledge that will benefit the TM-PHES
- Extensive renewable development expertise with a track record of PPA-backed financing, the same strategy contemplated for the TM-PHES

## Montem sells 50% of TM-REX to TransAlta

In April 2023, Montem sold 50% of TM-REX (which includes the TM-PHES) for up to **C\$25 million** in upfront and milestone payments.

- Initial payment: **C\$7.7million** paid 24 April 2023
- Milestone: **C\$3.5 million** due on receiving AUC approval for the TM-PHES
- Milestone: **C\$3.5 million** due on PPA executed for the TM-PHES
- Milestone: **C\$10 million** due on commercial operation of the TM-PHES

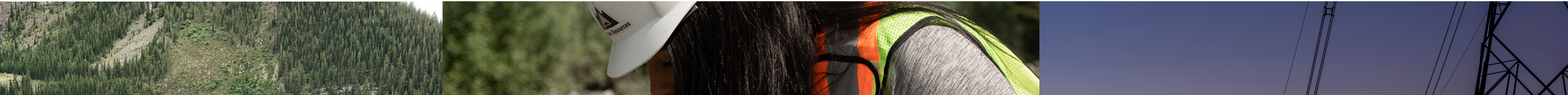
**Milestone payments will help fund Montem's 50% share of development costs.**







# TM-PHES The Road Ahead



2022

Pre-Feasibility Study



Complete



2023-2025

Engineering, Permitting, Consultation, and Engagement



Underway



2026-2028

Construction



Full Notice to Proceed

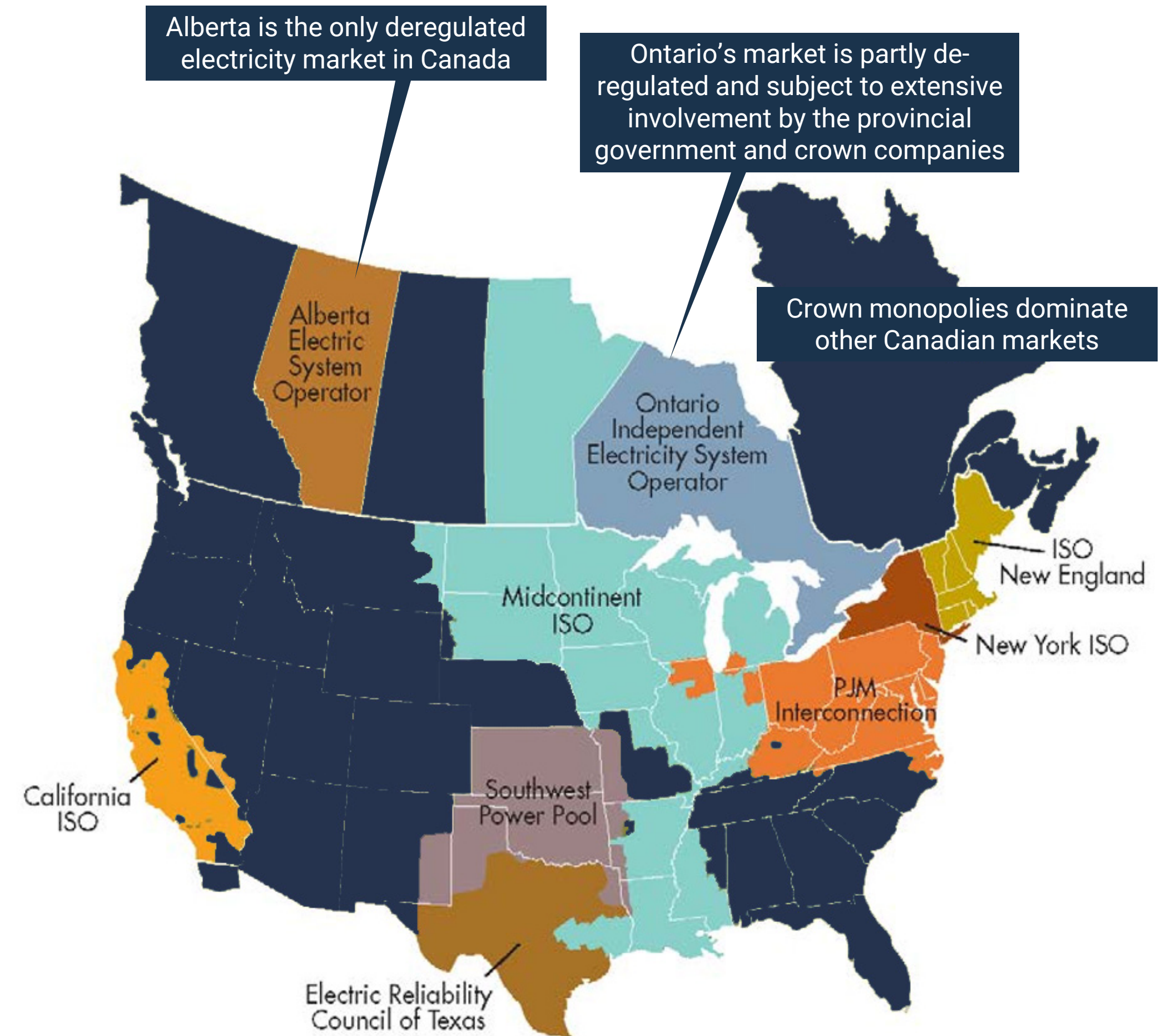
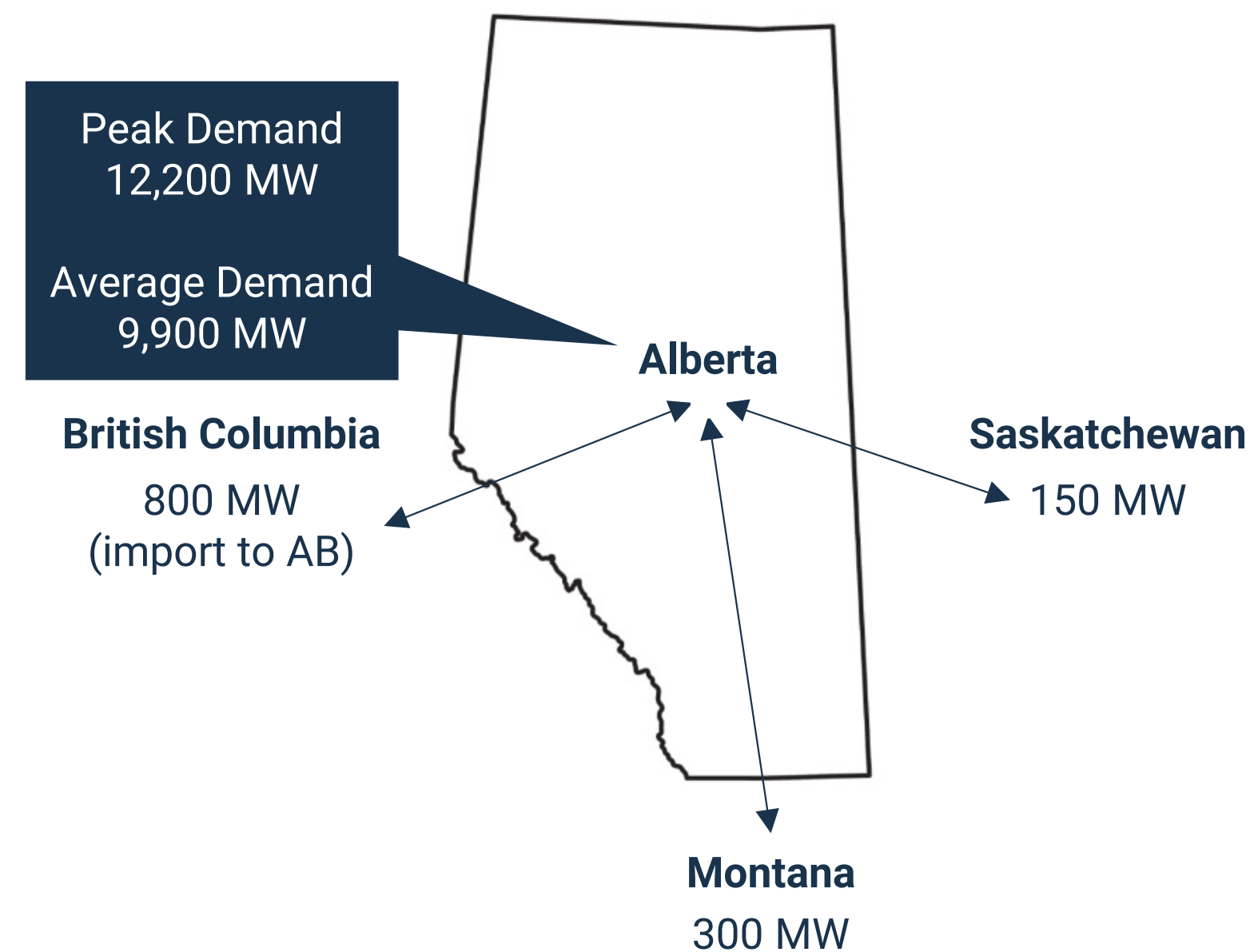




# Alberta Power Market

## Alberta is an electrical island with a unique market

- Alberta is landlocked geographically, nearly an island electrically
- AESO and ERCOT (Texas) are the only energy-only markets in North America; energy price volatility is a price signal for energy storage
- Alberta's market rules differ from those of other markets, requiring local knowledge and presence to navigate them effectively





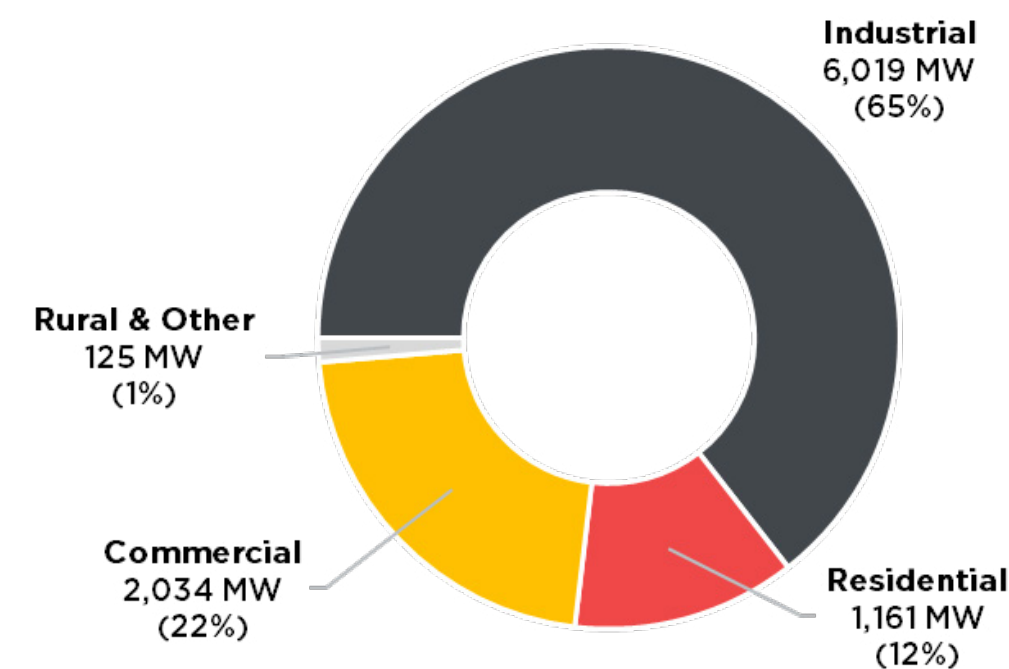
# Energy Storage

## Energy storage will lower prices for industrial energy consumers

- Unlike other jurisdictions, the Alberta market is dominated by commercial and industrial (C&I) loads.
- C&I loads have seen a material and structural jump in their power and wire costs in recent years.
- The hourly nature of the market pricing allows C&I loads to materially reduce power costs by operating batteries for just a few hours a day

### Alberta load is dominated by Commercial & Industrial

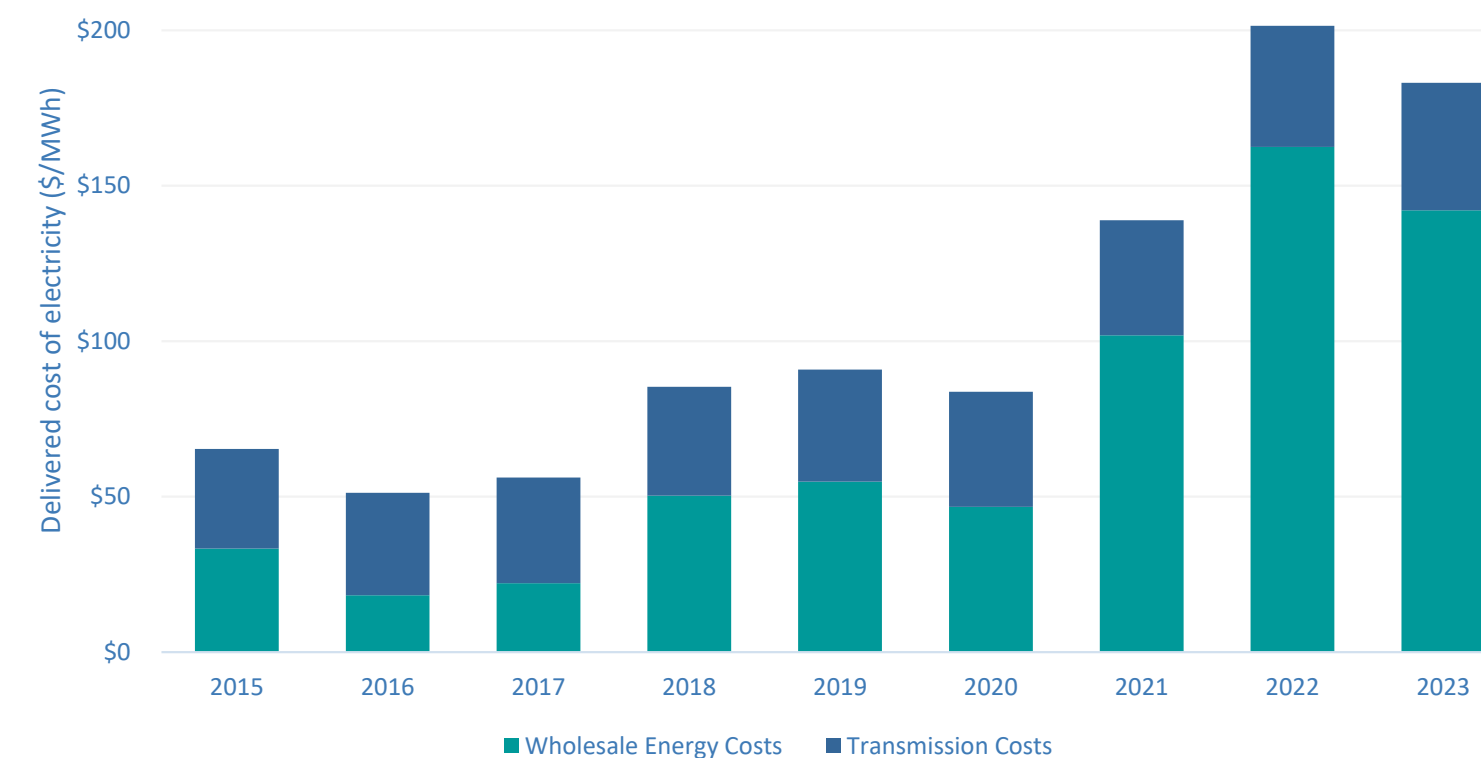
Segmentation of Provincial Load by Sector  
(2019 - Estimated)



*Note: a portion of Industrial is served by behind-the-fence generation, primarily cogeneration.*

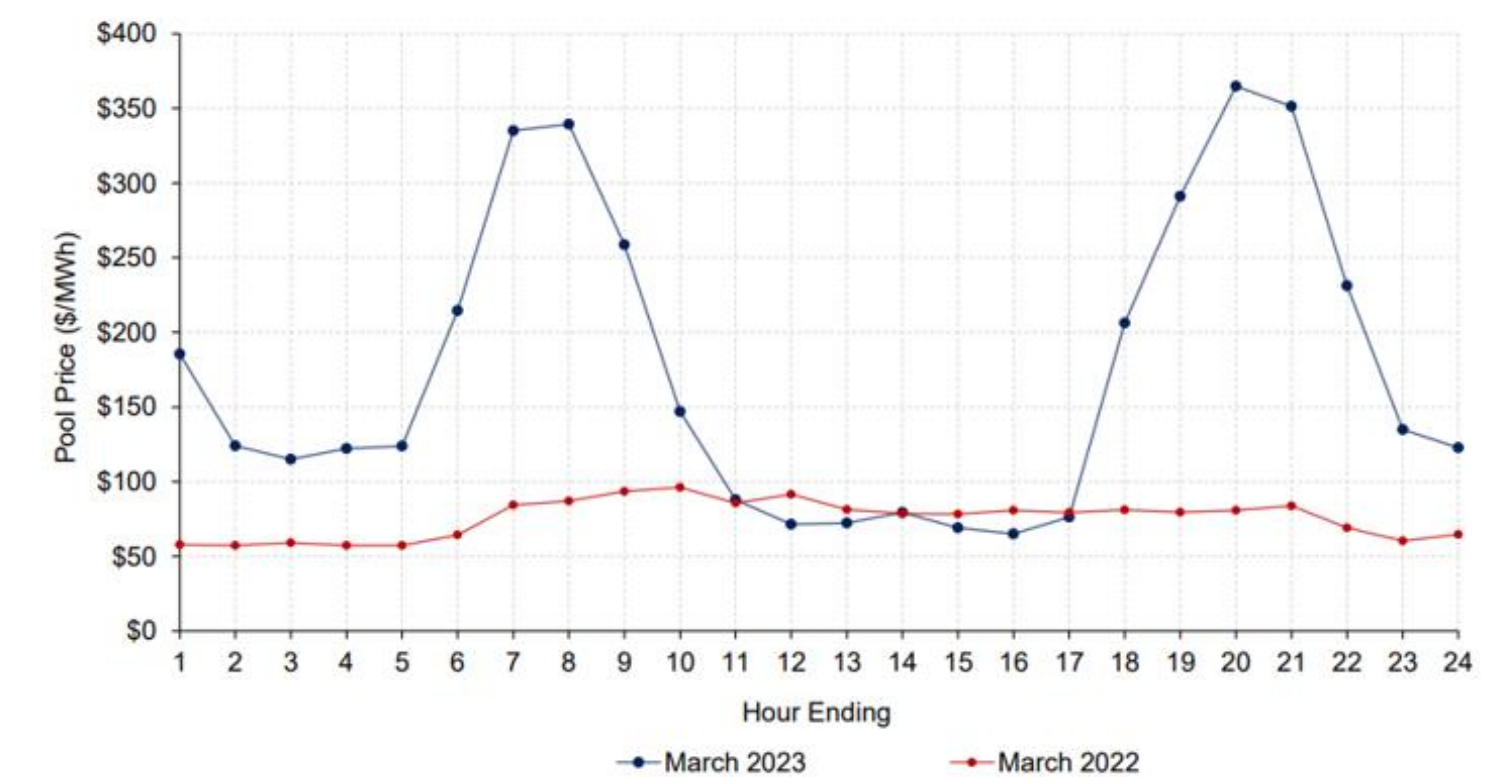
### Commercial & Industrial consumers' power costs are rising

Delivered cost of electricity



### Hourly price volatility incents energy storage

Average daily shape of pool prices  
(March 2022 and March 2023)





# Energy Storage Platform

**Short duration, dispatchable energy storage**

**Opportunity: \$100M+ investment at >15% equity IRR**

- Montem to provide “behind the fence” energy storage solutions for energy intensive businesses in Alberta.
- Opportunity for medium to large scale (10 - 15 MW) batteries to be installed - over 60 potential customers identified.

**Broadening our energy storage platform complements the TM-PHES, and leverages Montem’s expertise in energy storage development**





# Evolve Power

## The Transition

### Repositioning our brand to meet our new strategy

- Montem has voted to change their name to Evolve Power.
- We will be creating a new brand identity, website, and social media pages.
- Shareholders will be updated once the new brand is online. Many social media pages will transition seamlessly.
- **As our name changes, your shareholding will not be affected, and will simply transfer across to the newly named entity.**







**Peter Doyle**

Managing Director & CEO

+1 778 888 7604

[pdoyle@montem-resources.com](mailto:pdoyle@montem-resources.com)



**Will Bridge**

Executive Director &  
Chief Development Officer

+1 403 408 7544

[wbridge@montem-resources.com](mailto:wbridge@montem-resources.com)