

Agenda



Topic	Speaker
Welcome & Enbridge Gas team introductions	Jim Redford
Safety message and agenda review	Andrea Seguin
Gas Supply update	Nicole Brunner
Winter operations update	Jason Gillett
Rates and services rebasing	Paul Dhaen
BREAK	
In-franchise growth and demand	Ian Macpherson
Energy demand in North America/Projects update	Hilary Thompson
Closing remarks	Jim Redford

Gas Supply update

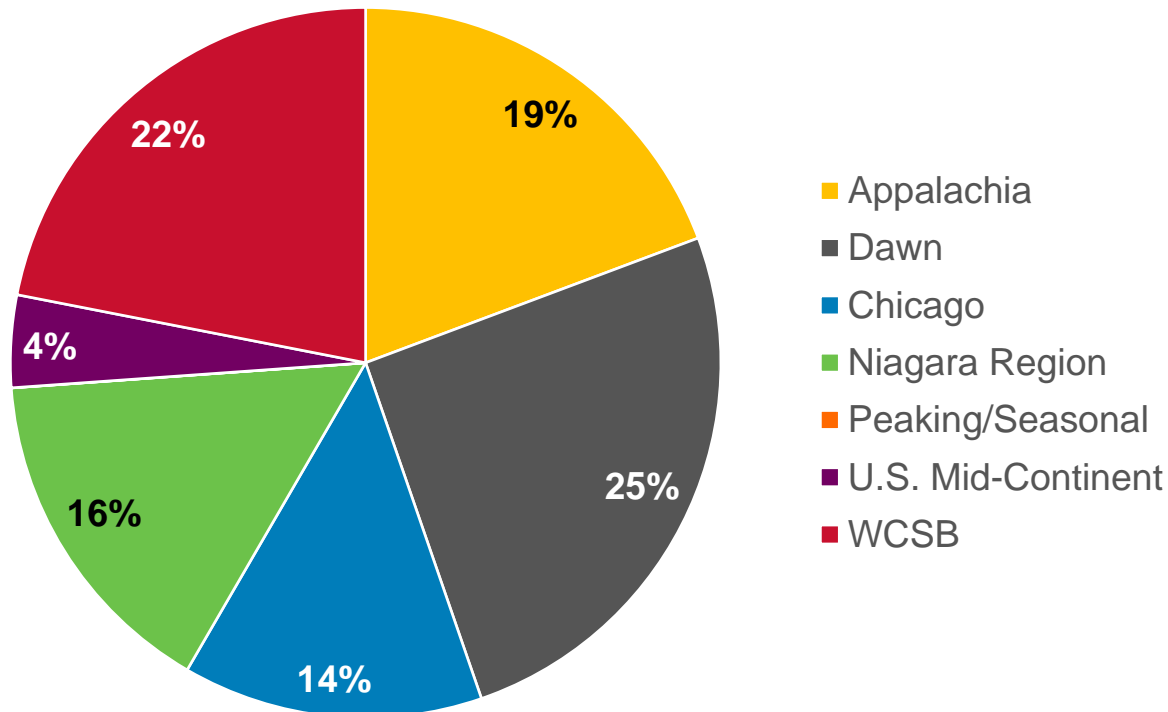
Nicole Brunner

Manager, New Energy Supply



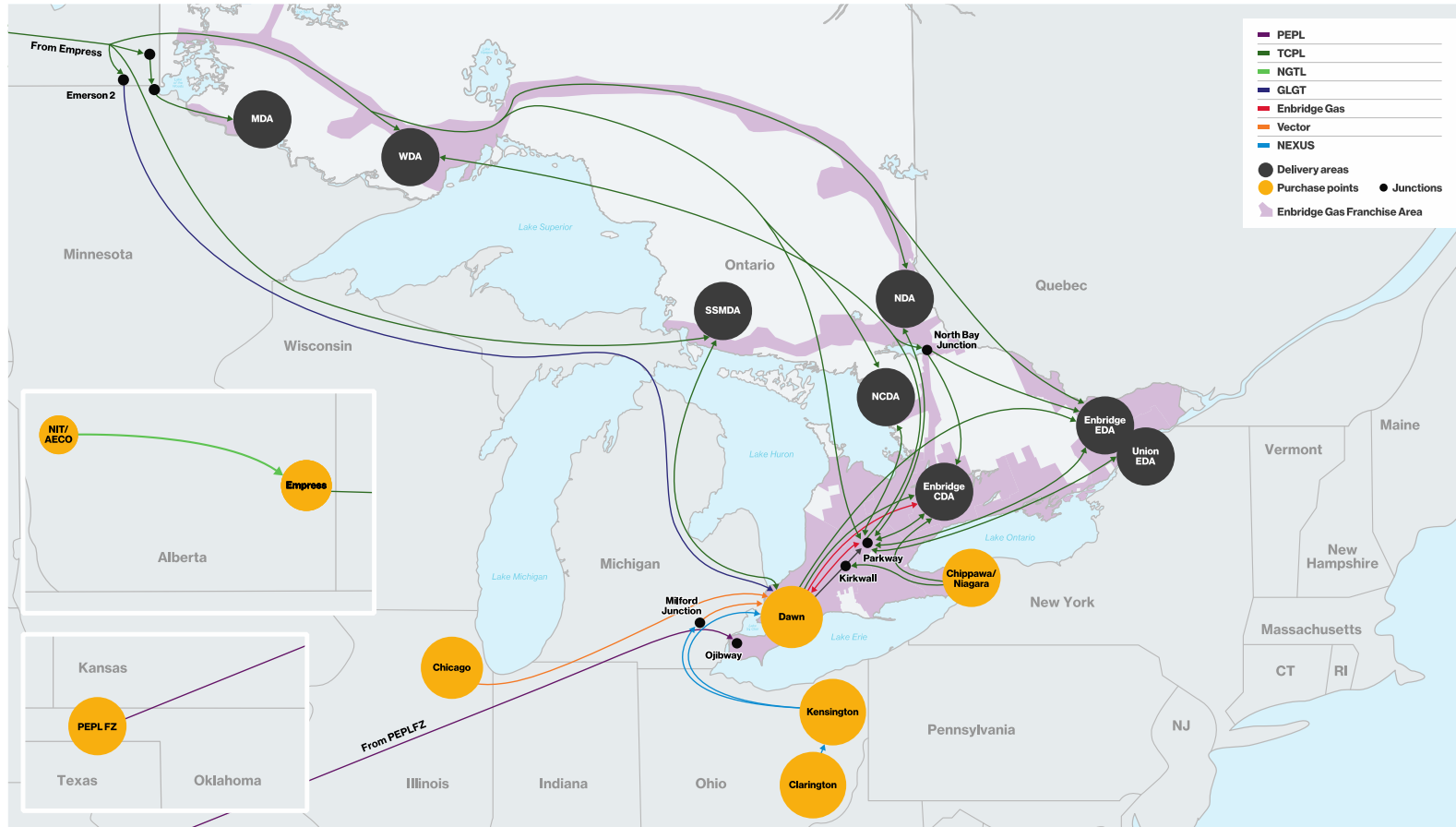
Portfolio overview

2021/2022 EG Supply Portfolio



Location	Winter 2021/2022 (TJ/d)
Enbridge CDA	22
Enbridge EDA	1
Union WDA	2
Union NCDA	1
Union EDA	3
Total	29

Upstream transportation portfolio



Location	Quantity (TJ/d)
Dawn (Enbridge)	Average ~350
Empress (TCPL)	235
Niagara/Chippawa (TCPL)	220
Chicago (Vector)	195
Kensington (Nexus)	140
Clarington (Nexus)	135
Aeco (Nova)	125
Panhandle (Energy Transfer)	60

NYMEX settlements and future pricing

January 2000 – December 2022



— NYMEX settled prices: January 2000 – April 2022

---- NYMEX futures May – December 2022

The future of gas supply

- Voluntary renewable natural gas (RNG)
 - Customers have option to opt-up to fund incremental cost of RNG.
 - Enbridge Gas has made its first purchase; as enrollment grows, we will continue to seek small tranches of RNG.
 - Will seek to incorporate more RNG in our portfolio.
- Hydrogen/Power to gas
 - Blends natural gas and 2 percent hydrogen gas in a small section of our distribution system.
- Actively procuring responsibly sourced gas (RSG) and encouraging RSG RFP bids
 - Two transactions to date: EO100 at Dawn and EO100 + MiQ Certified at Niagara.
 - Open to all three certifications.

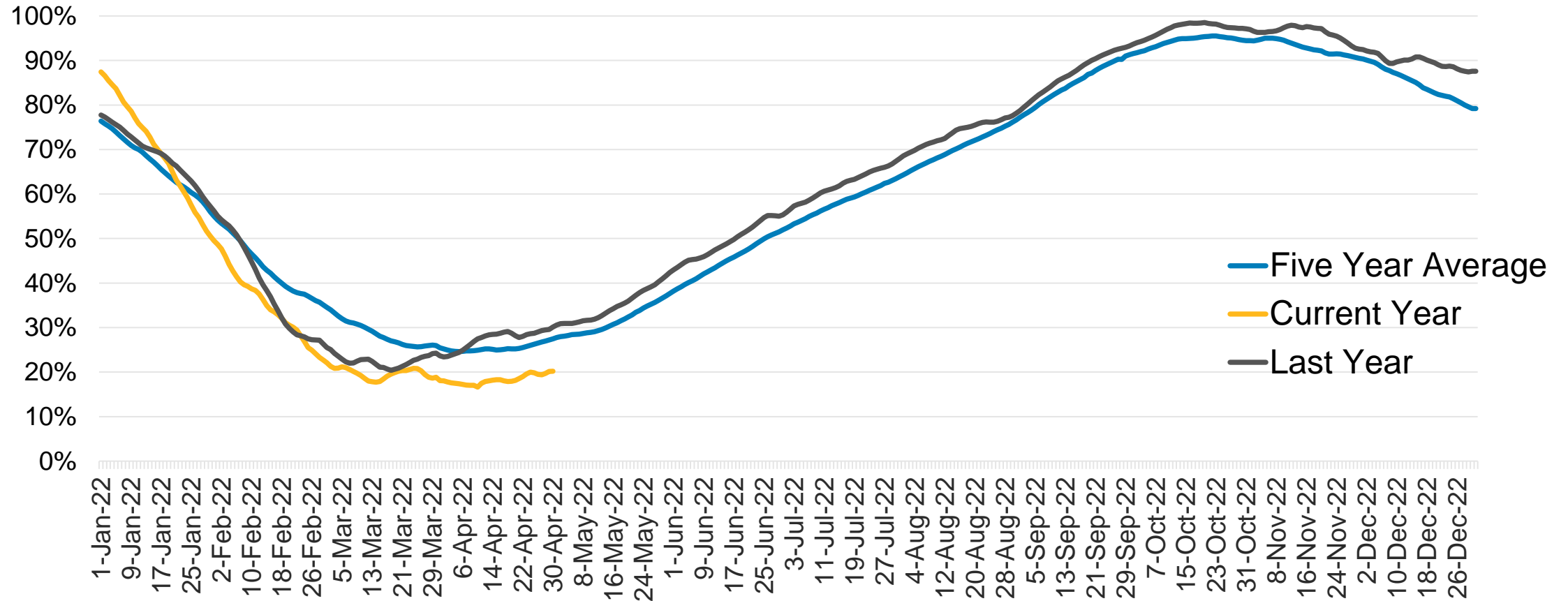


Winter operations update

Jason Gillett
Director, Gas Supply

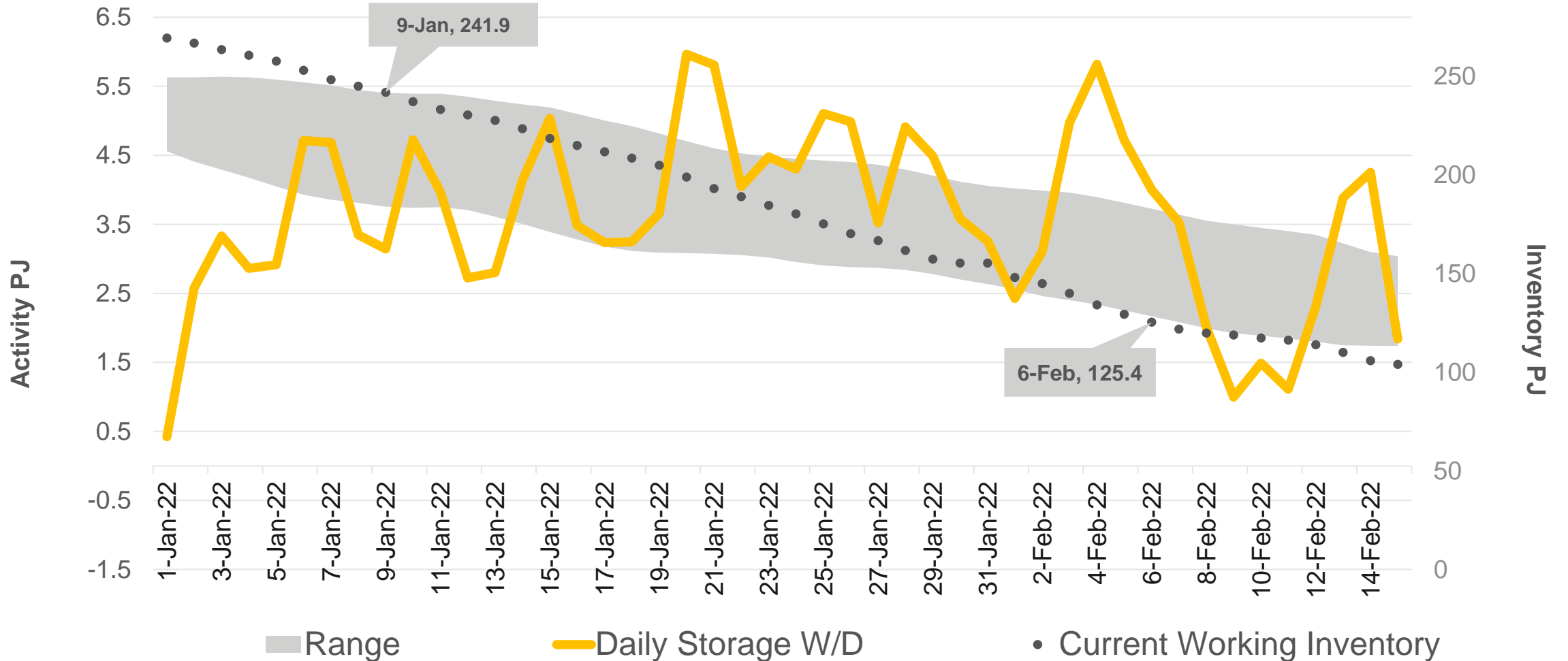


Storage inventory



50% of inventory withdrawn Jan. 1 to Feb. 7

Value of Dawn



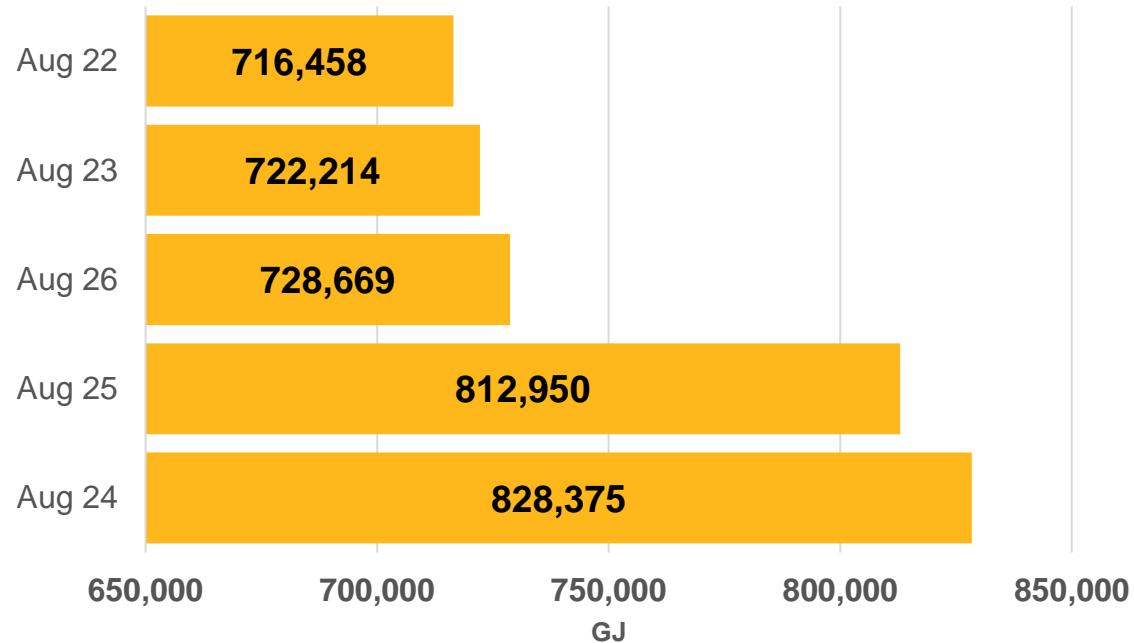
Storage withdrawal records



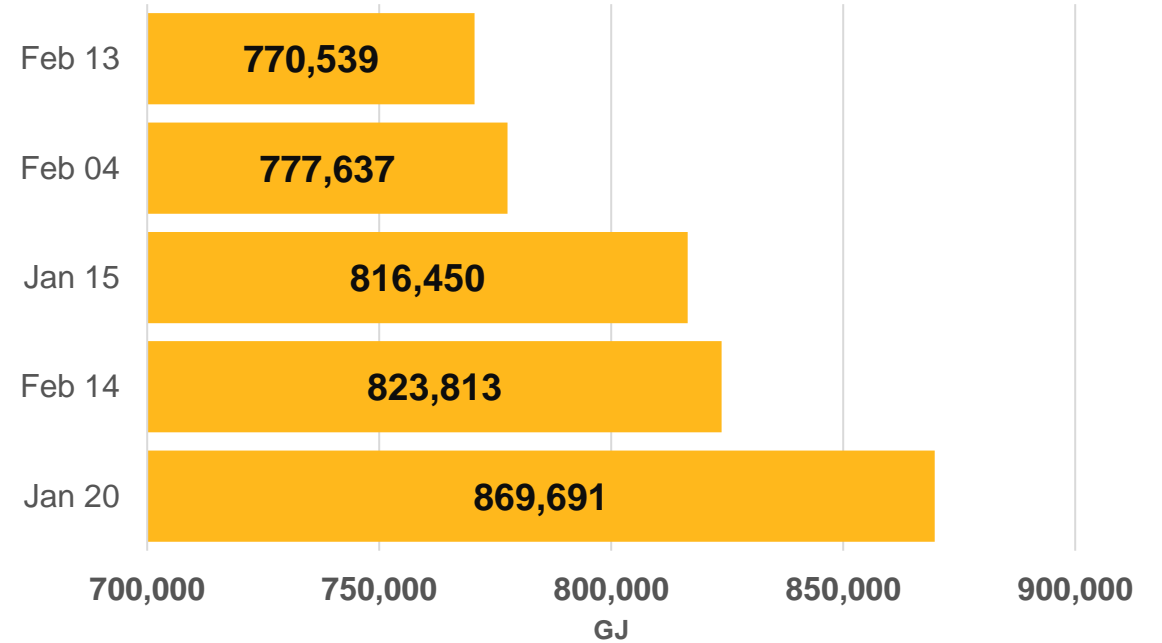
Rank	Date	Withdrawals (PJ)	Percent Full
1	Jan. 30, 2019	6.286	50.7%
2	Jan. 20, 2022	5.966	65.8%
3	Feb.12, 2021	5.941	41.8%
4	Feb. 4, 2022	5.912	44.8%
5	Jan. 21, 2022	5.824	63.9%
6	Feb. 11, 2021	5.556	43.7%
7	Jan.1, 2018	5.382	69.2%
8	Jan. 31, 2019	5.360	48.9%
9	Jan. 2, 2018	5.267	67.5%
10	Jan. 7, 2015	5.258	73.5%

Top 5 gas generation days

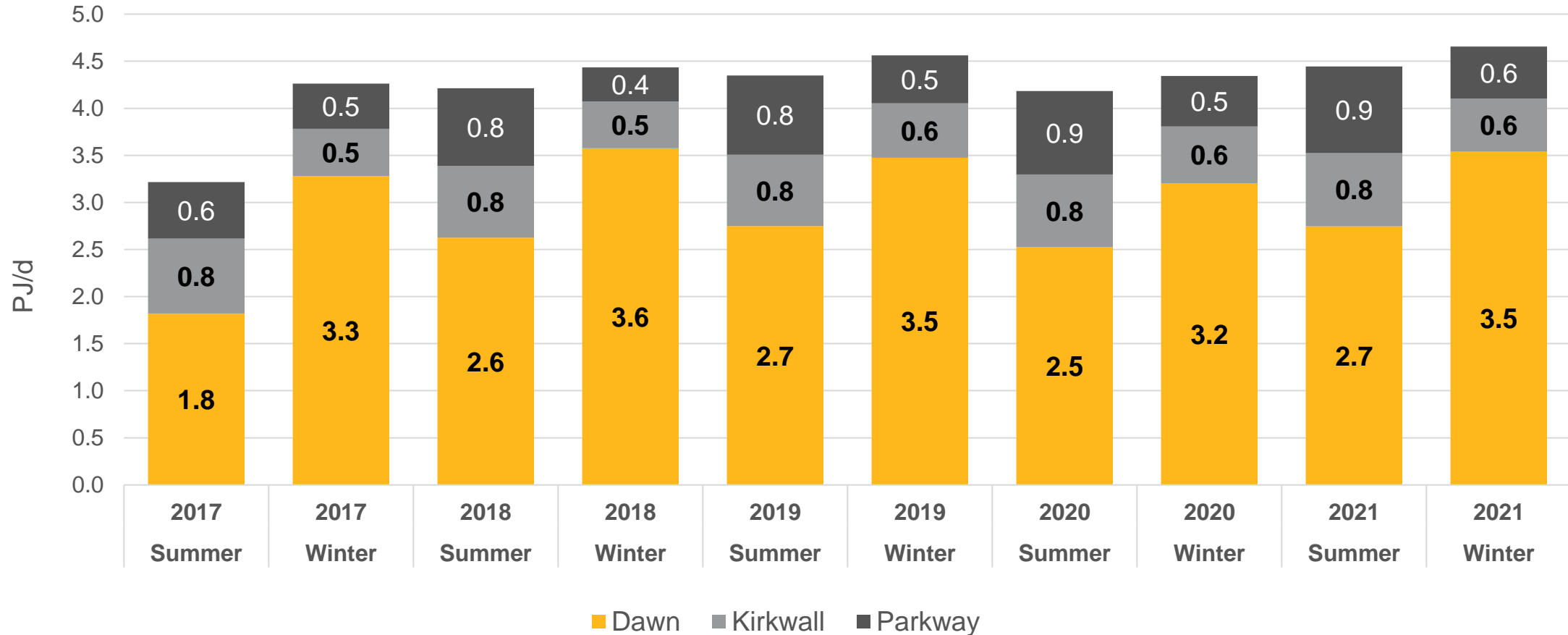
Top 5 summer



Top 5 winter



Average receipts

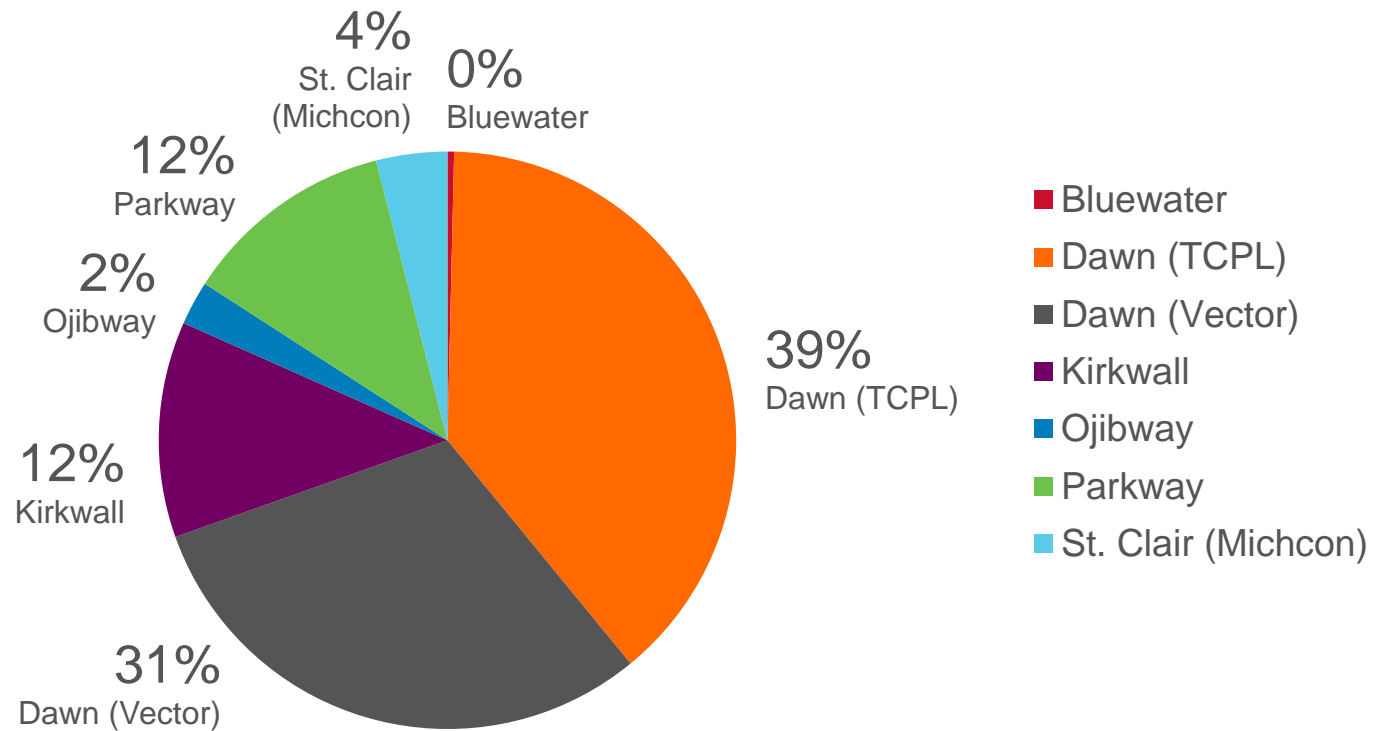


Dawn receipts were up 0.3 PJ/d over last year.

Upstream pipelines

Pipeline receipts

Winter 2021



GMS and Enerline support



Gas Management Services

Nominations Hotline

519-436-4545

Email: ontuglgms@enbridge.com

(Nominations coverage until 11:00 p.m. EST)

Enerline Support

Enerline Support Hotline

519-436-5446

Email: enerline@enbridge.com

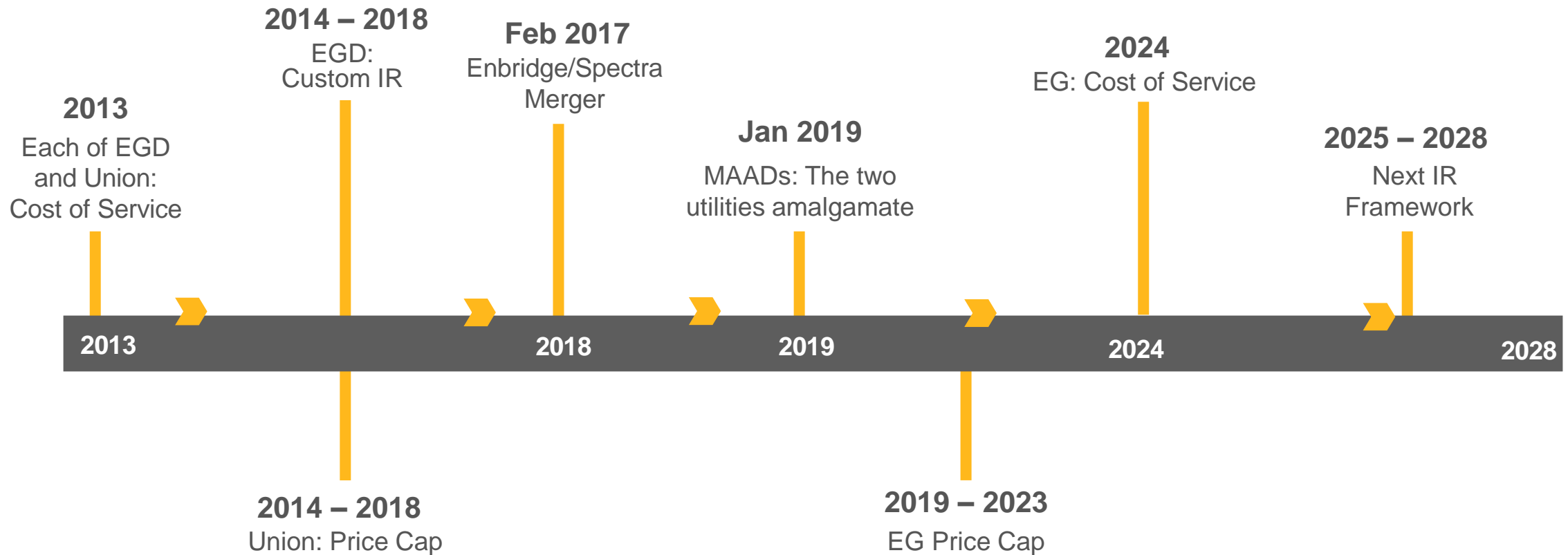
Rates and services rebasing

Paul Dhaen

Manager, Storage and Transportation Sales

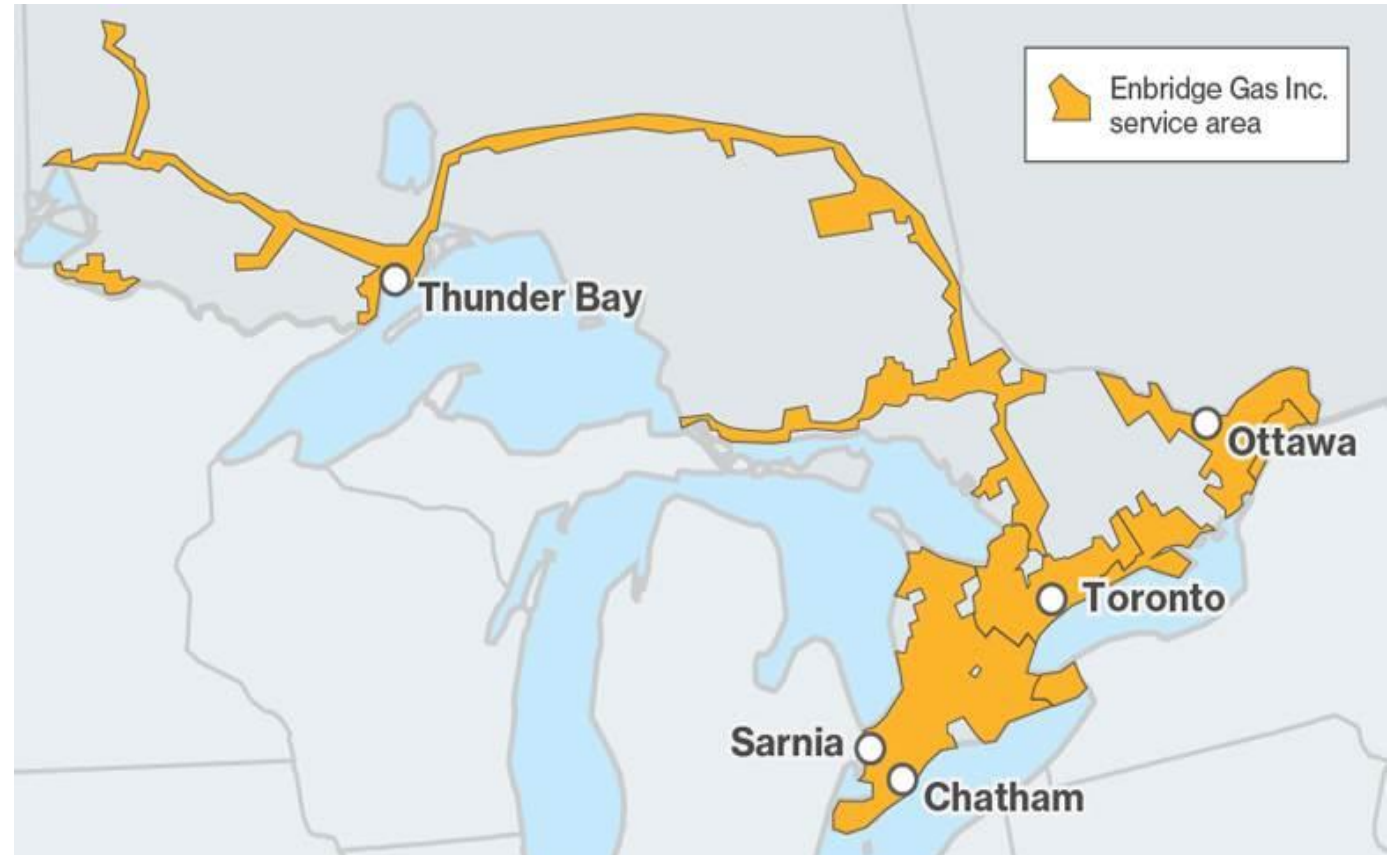


Background



Service harmonization

- The legacy utilities have different services across all rate zones.
- As we approach the 2024 Rebasing proceeding, Enbridge Gas is working on a proposal for what a combined suite of services will look like.

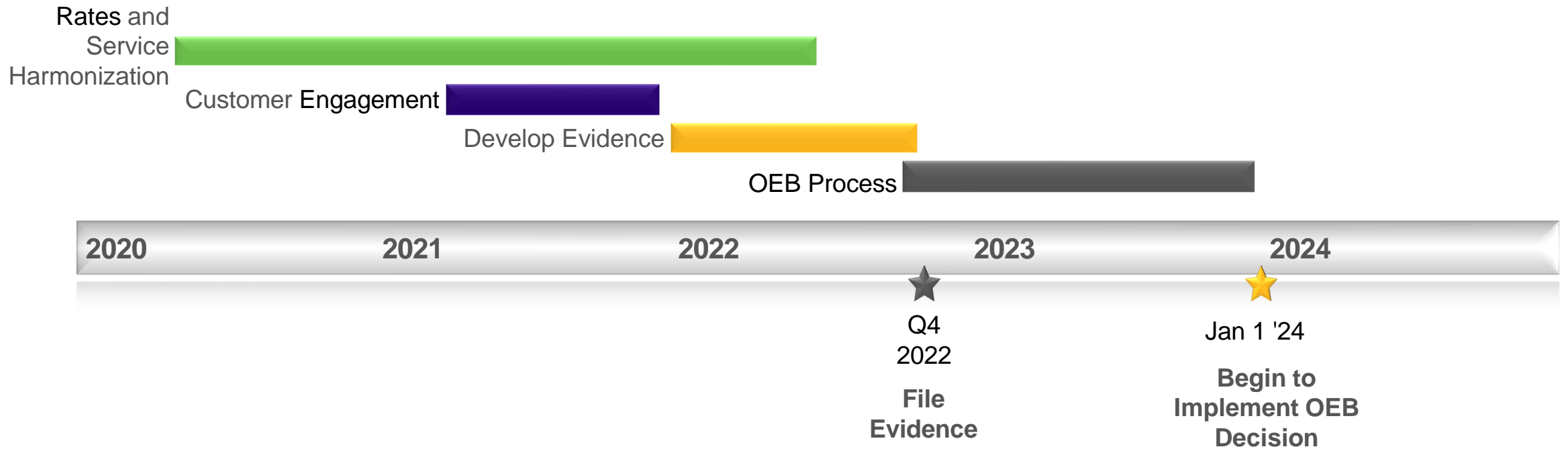


Service harmonization objectives

What do we want to achieve?

1. Develop combined services that continue to address the needs of our customers.
2. Provide incremental flexibility for customers to meet their requirements, where possible.
3. Simplify services, where possible.

Rebasing and Incentive Rate Mechanism timelines



Service harmonization proposals



Transportation services

- The current proposal is to combine all Transportation services into one Rate Schedule
 - Legacy Union Gas: M12, C1
 - Legacy Enbridge Gas Distribution: Rate 332 and Rate 331
- Service design changes being proposed:
 - Removal of Utility Supplied Fuel
 - Harmonization of “General Terms & Conditions” wording, where possible

Simplifying into one rate schedule will not change the underlying service customers are contracted for today.

Break

In Franchise growth and demand

Ian Macpherson

Director, Distribution In Franchise Sales

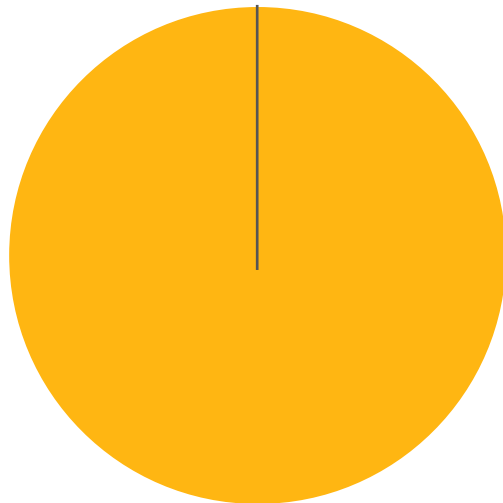


Enbridge Gas in franchise market



Customer meters

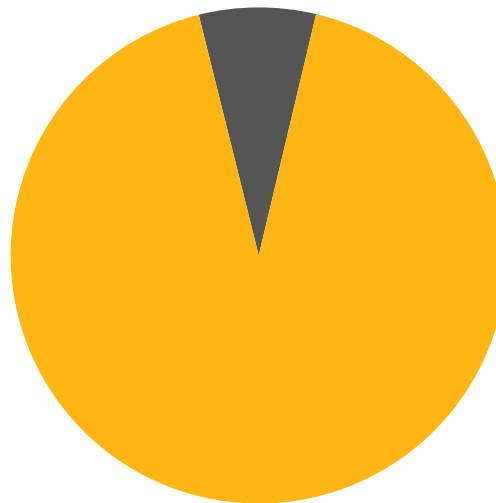
Contract Sales
1,074



General Service
3,810,775

Total revenue (%)

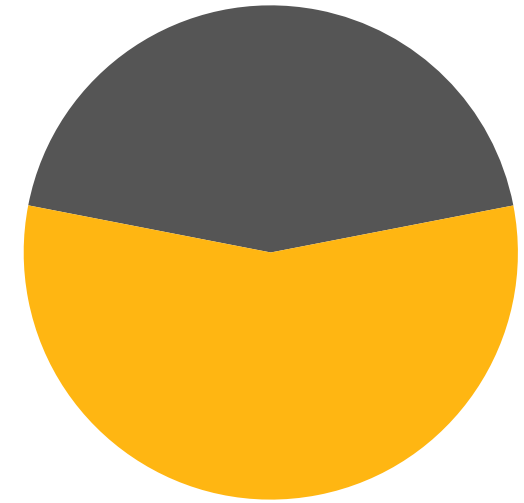
Contract Sales
7.60%



General Service
92.30%

Throughput volumes (103M3)

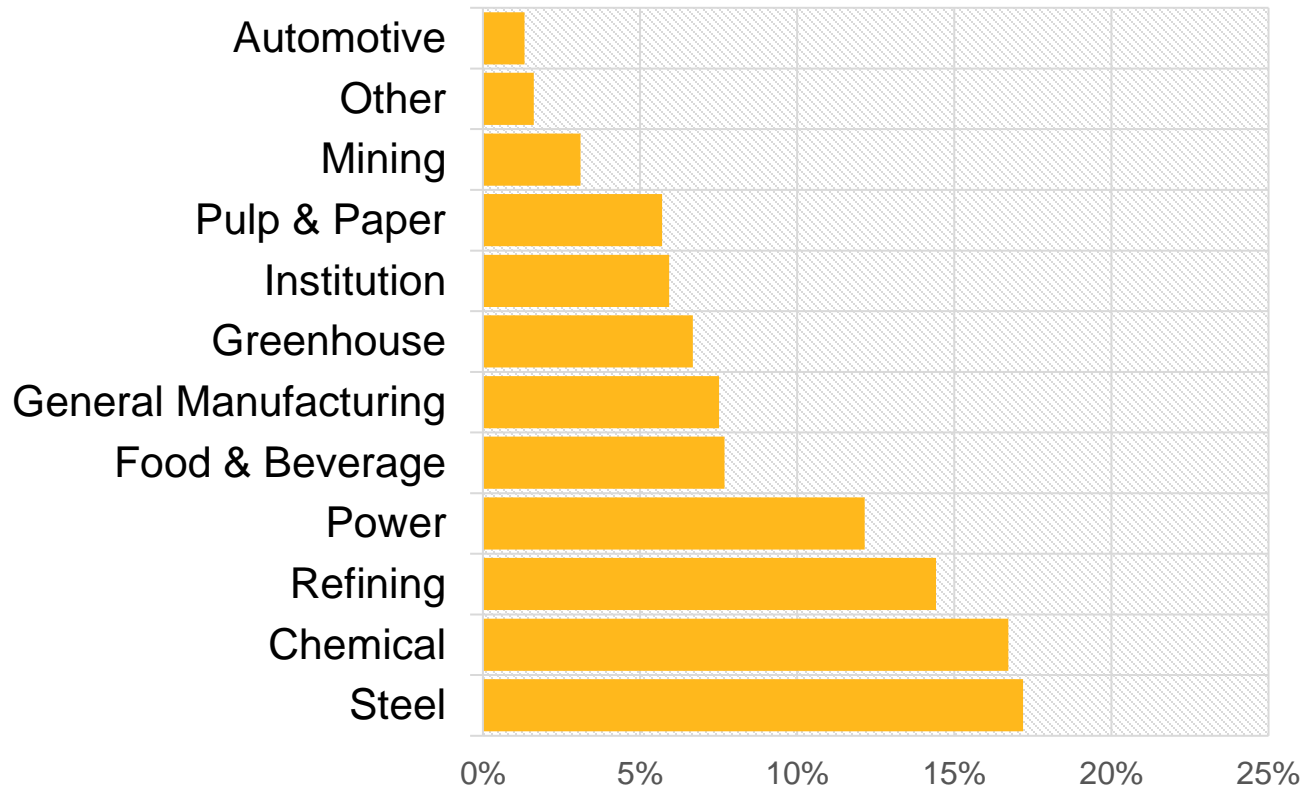
Contract Sales
11,351,094



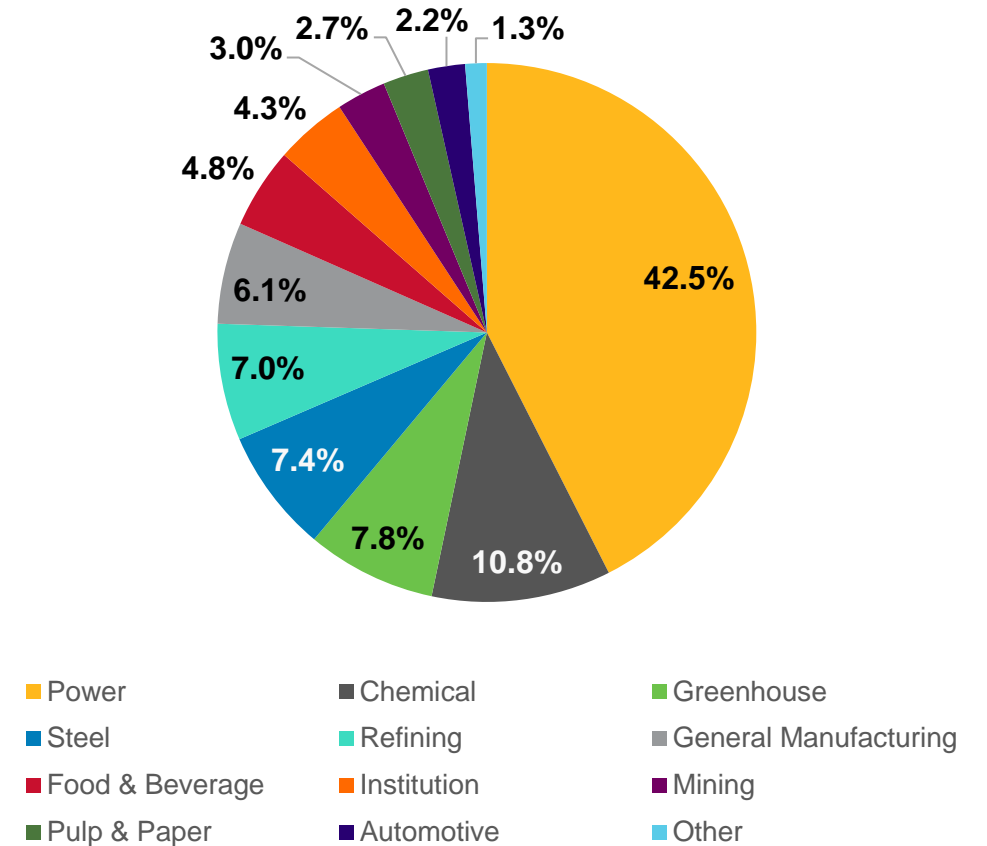
General Service
14,508,145

Contract market overview

Consumption



Firm demand

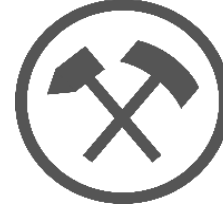


Sector insights

Power



Mining



Residential
New Construction



Greenhouses



Automotive



Steel



Why these sectors?

1

Energy intensity, growth, strategic importance

2

Impact on economy

3

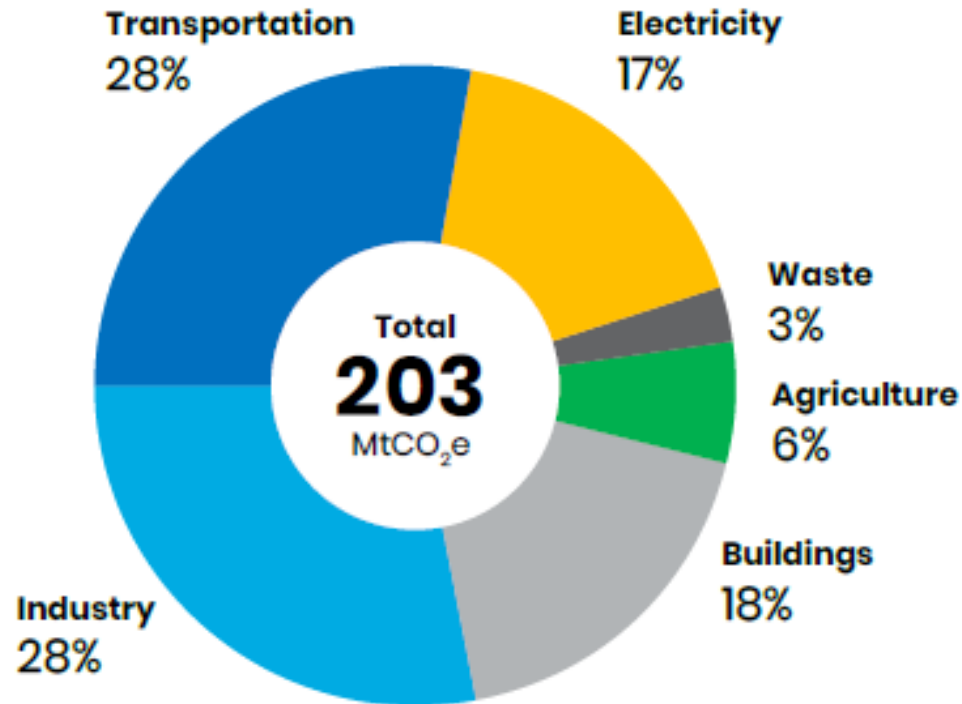
Energy transition SWOT

4

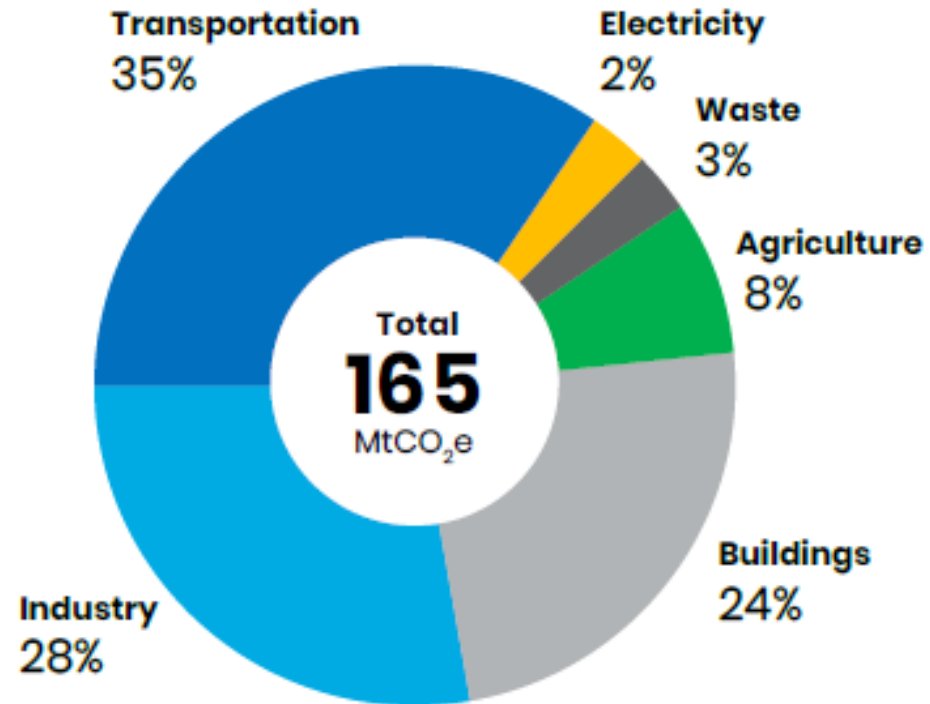
Future opportunities

Emission by sectors

2005 emissions by sector



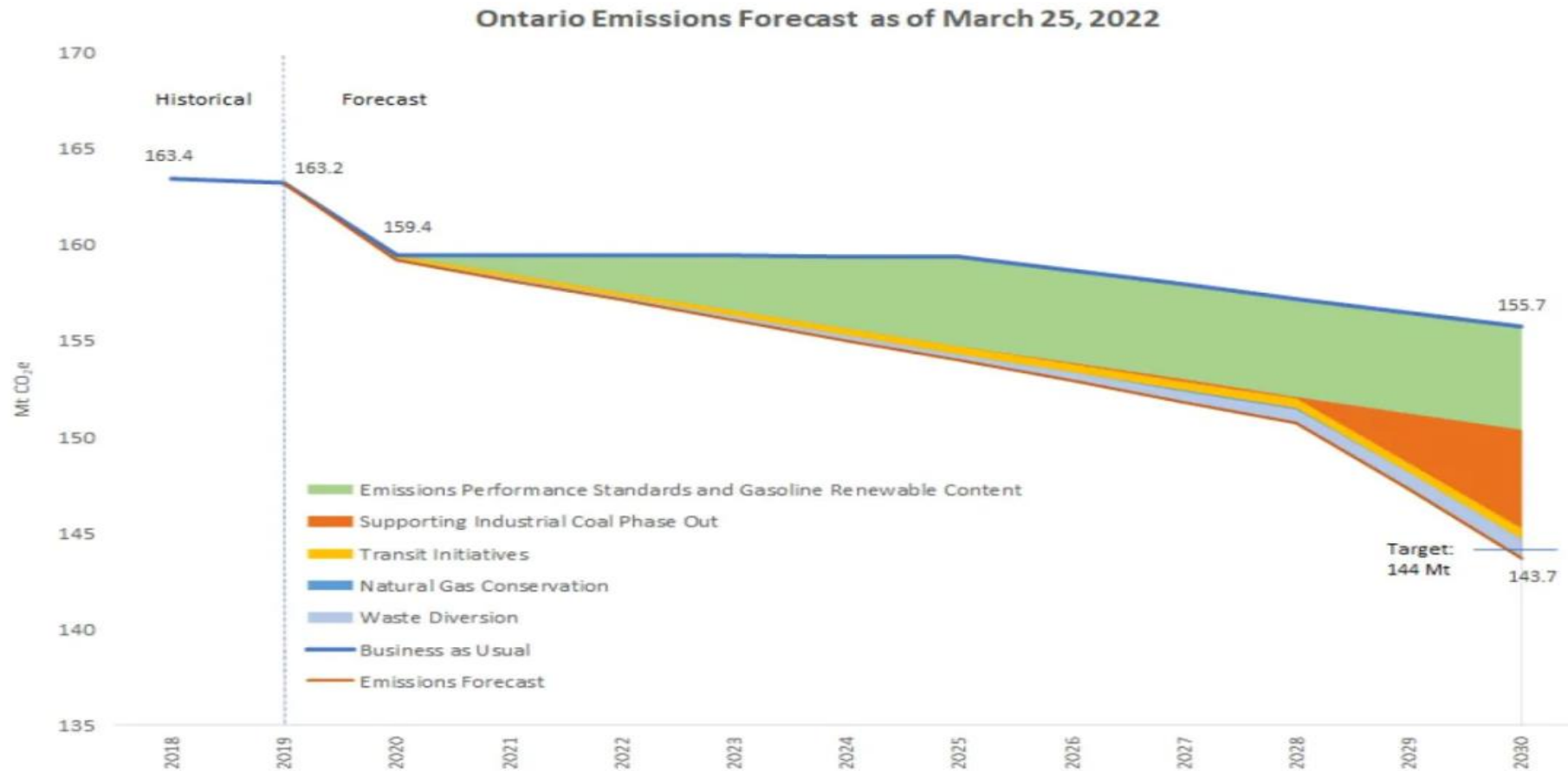
2018 emissions by sector



Sources:

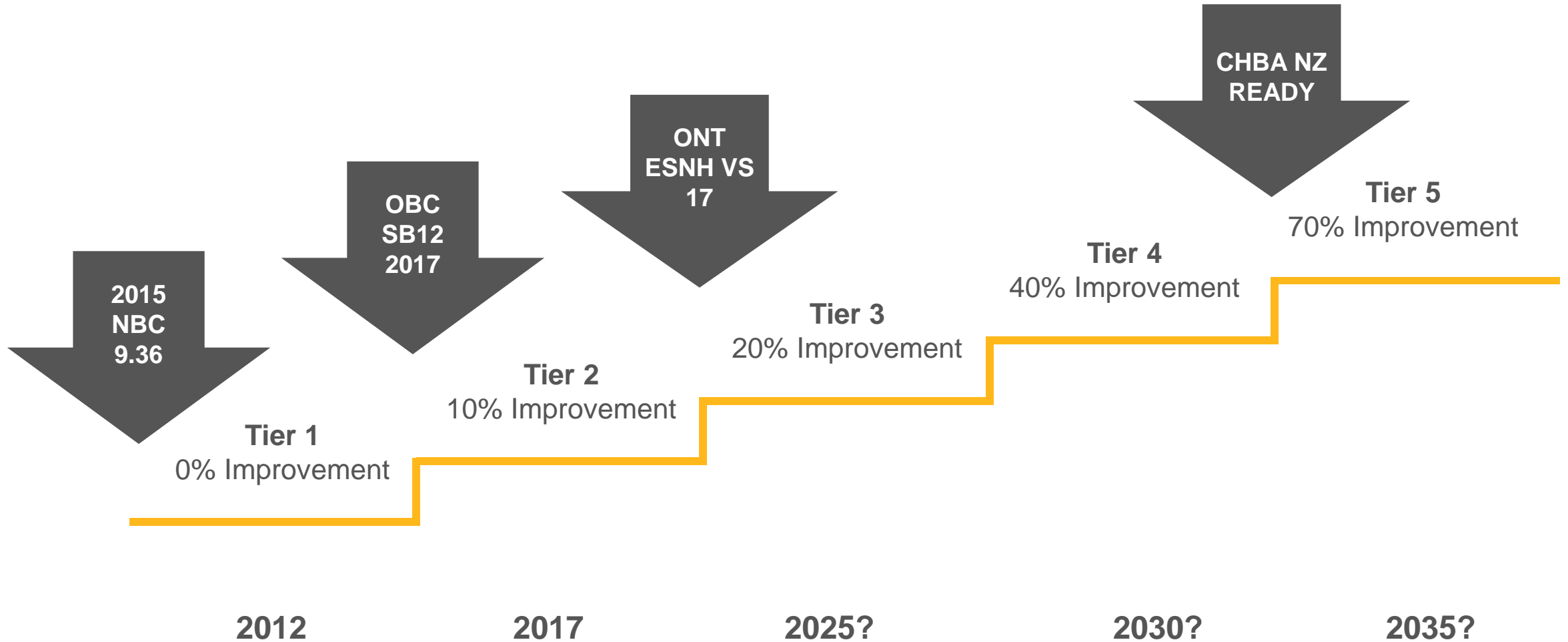
- Greenhouse Gas Progress Report of the Environmental Commissioner of Ontario
- 2018 Canada's Official Greenhouse Gas Inventory

Emissions forecast



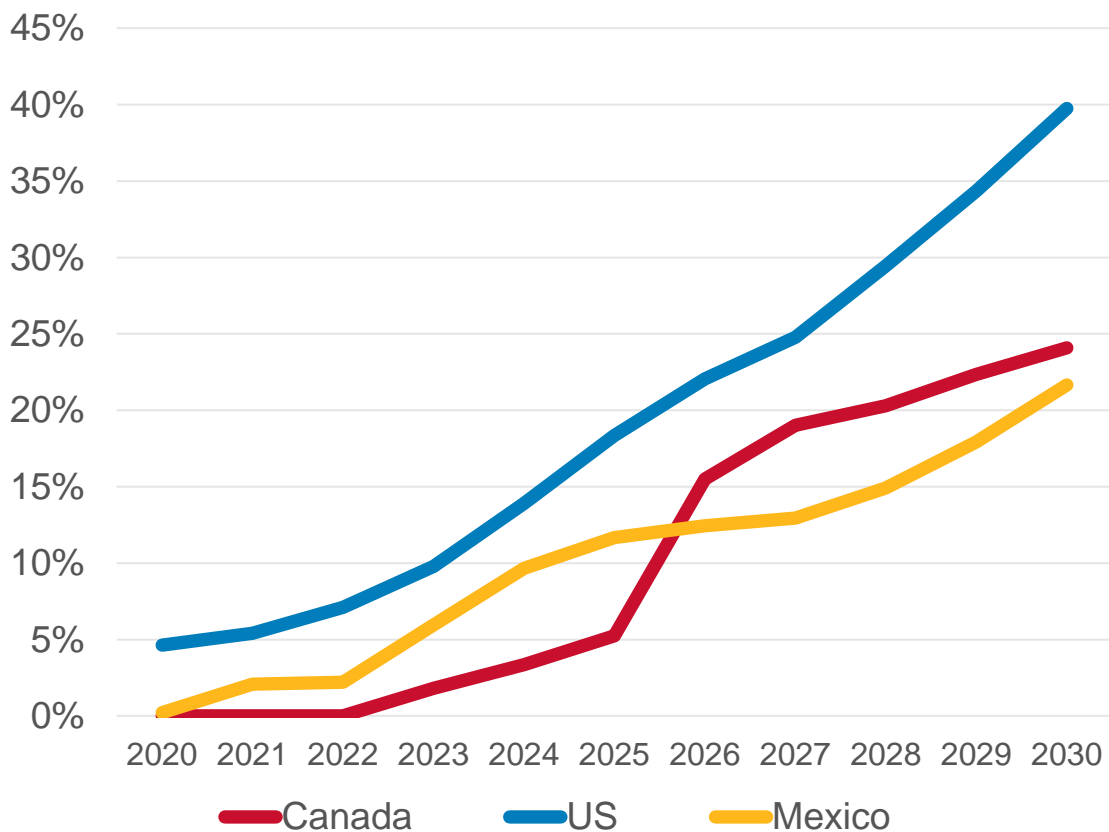
Residential new construction

Building code transition

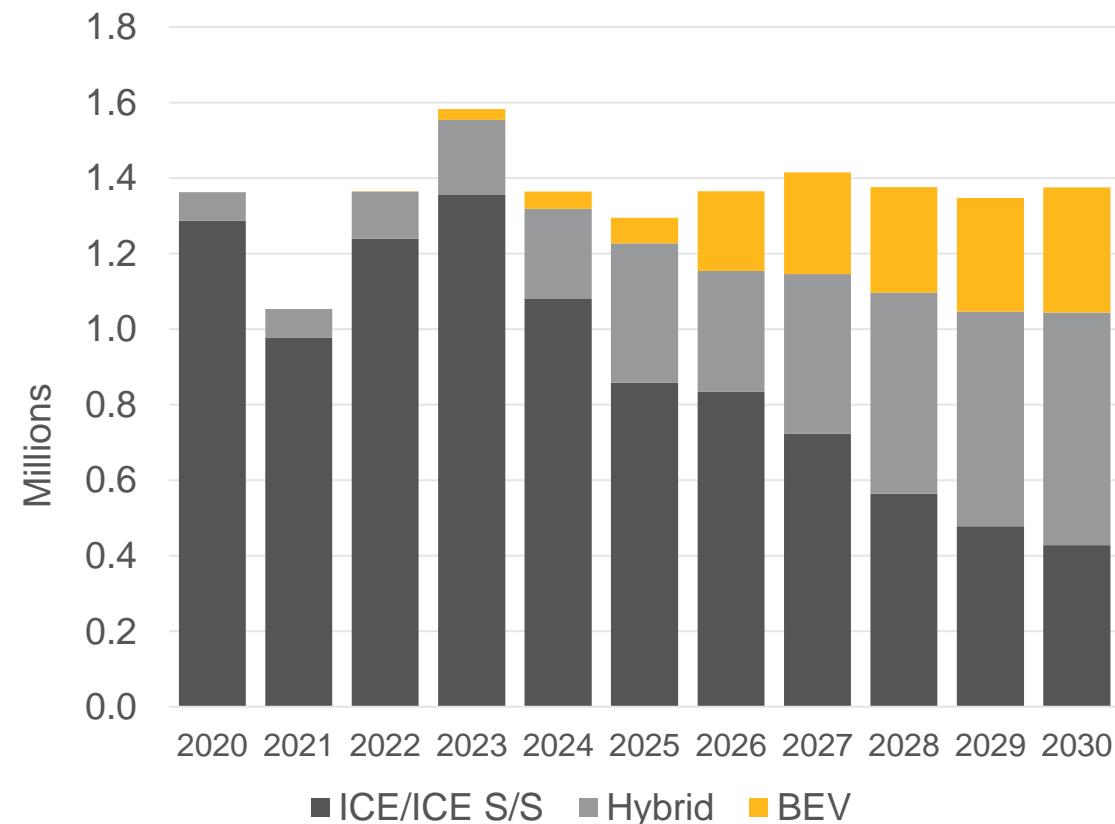


Light vehicle BEV penetration

Light vehicle BEV share of total production by country



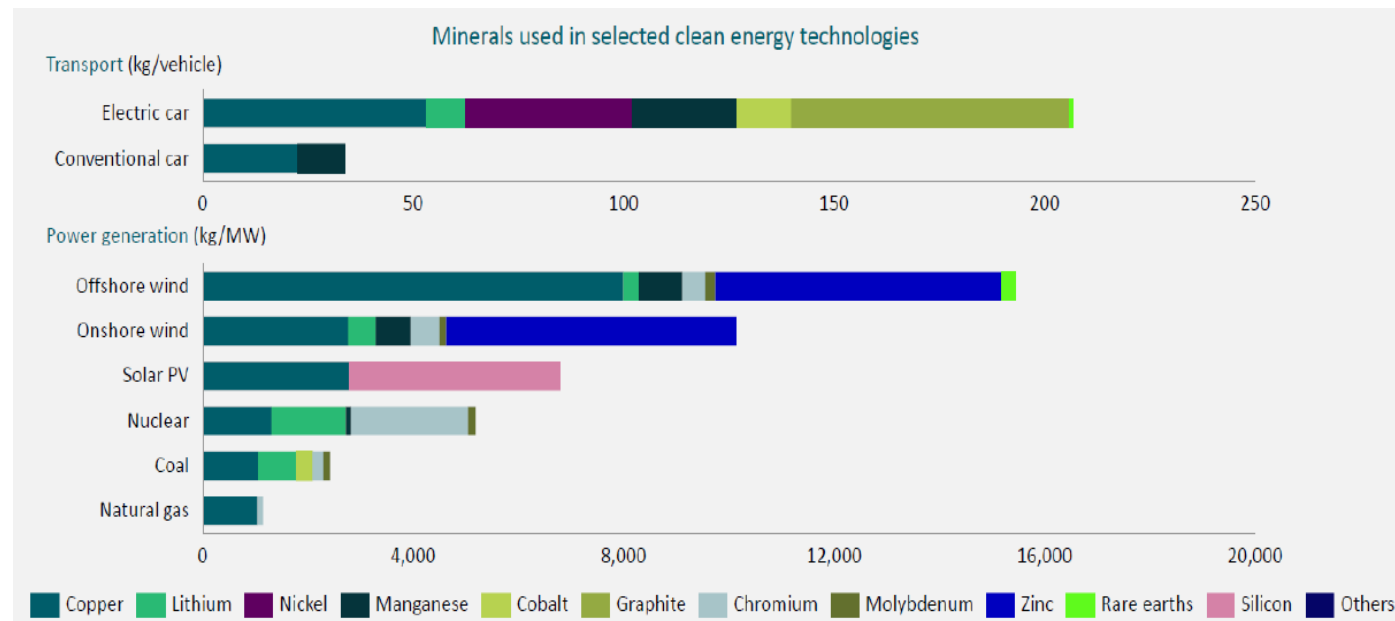
Light vehicle propulsion volume (Canada)



Mining

Ontario critical minerals strategy

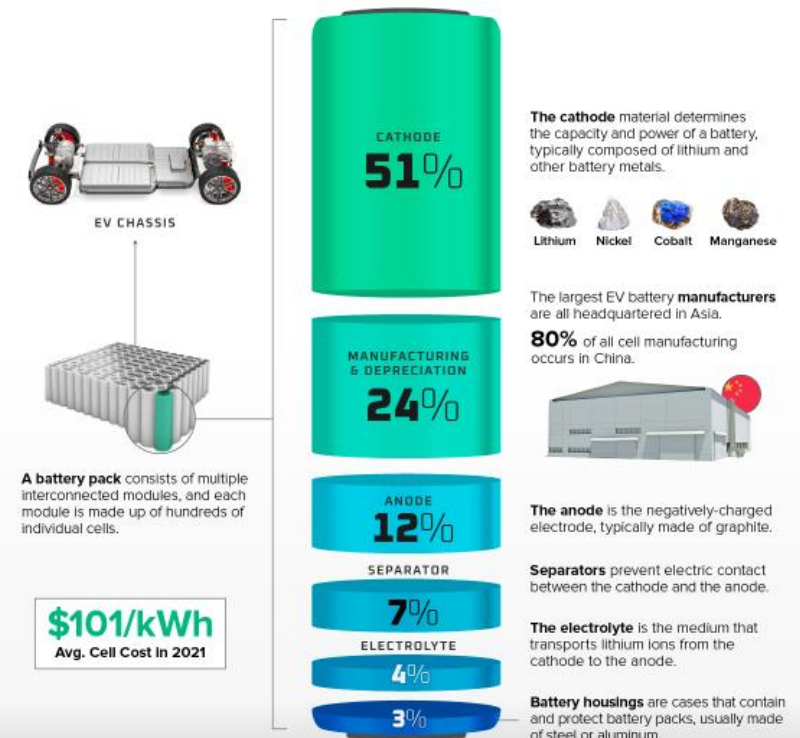
- Clean energy technologies needed to achieve climate goals increase demand for critical minerals, putting the mining and metals industry at the centre of energy transition.



Breaking Down the Cost of an EV BATTERY CELL

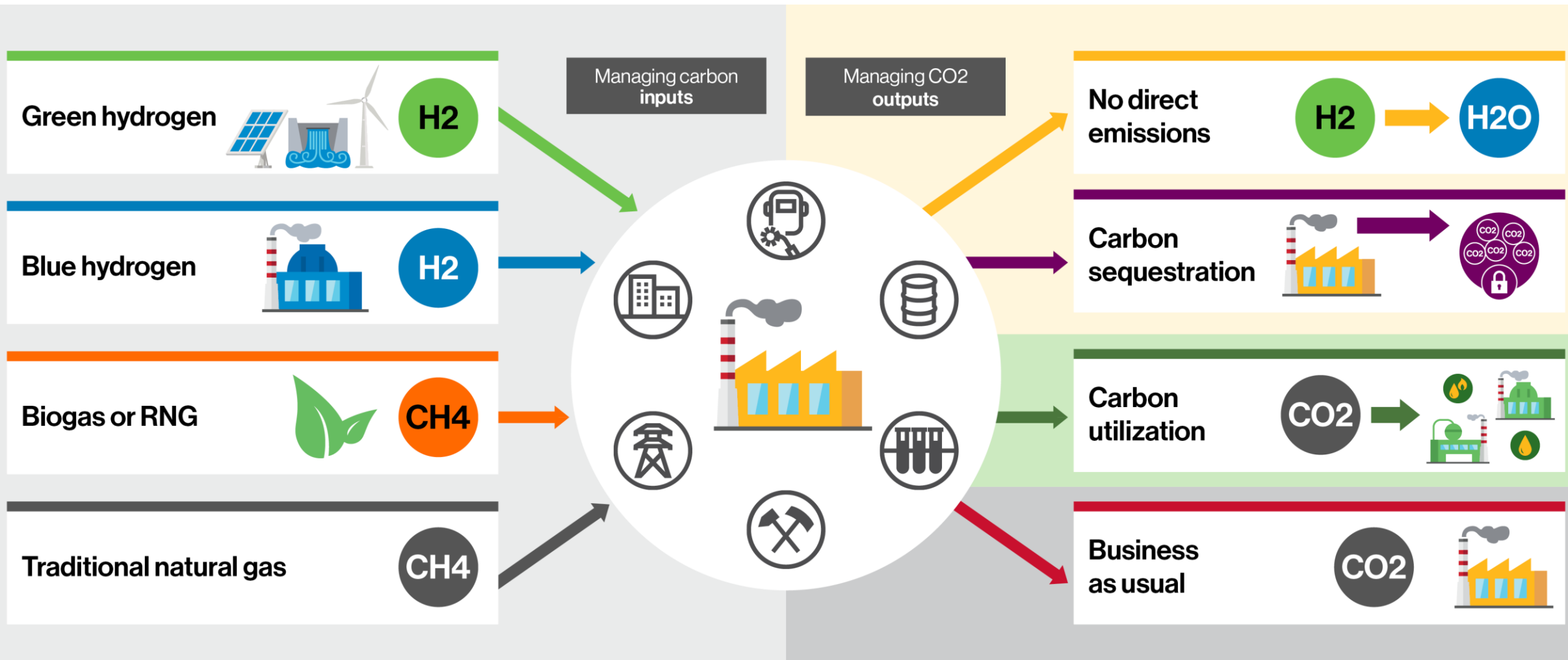
The average cost of lithium-ion batteries has declined by 89% since 2010.

What makes up the cost of lithium-ion cells?



Percentages may not add to 100 due to rounding. Source: BloombergNEF

Energy transition in customer operations



Business Development update

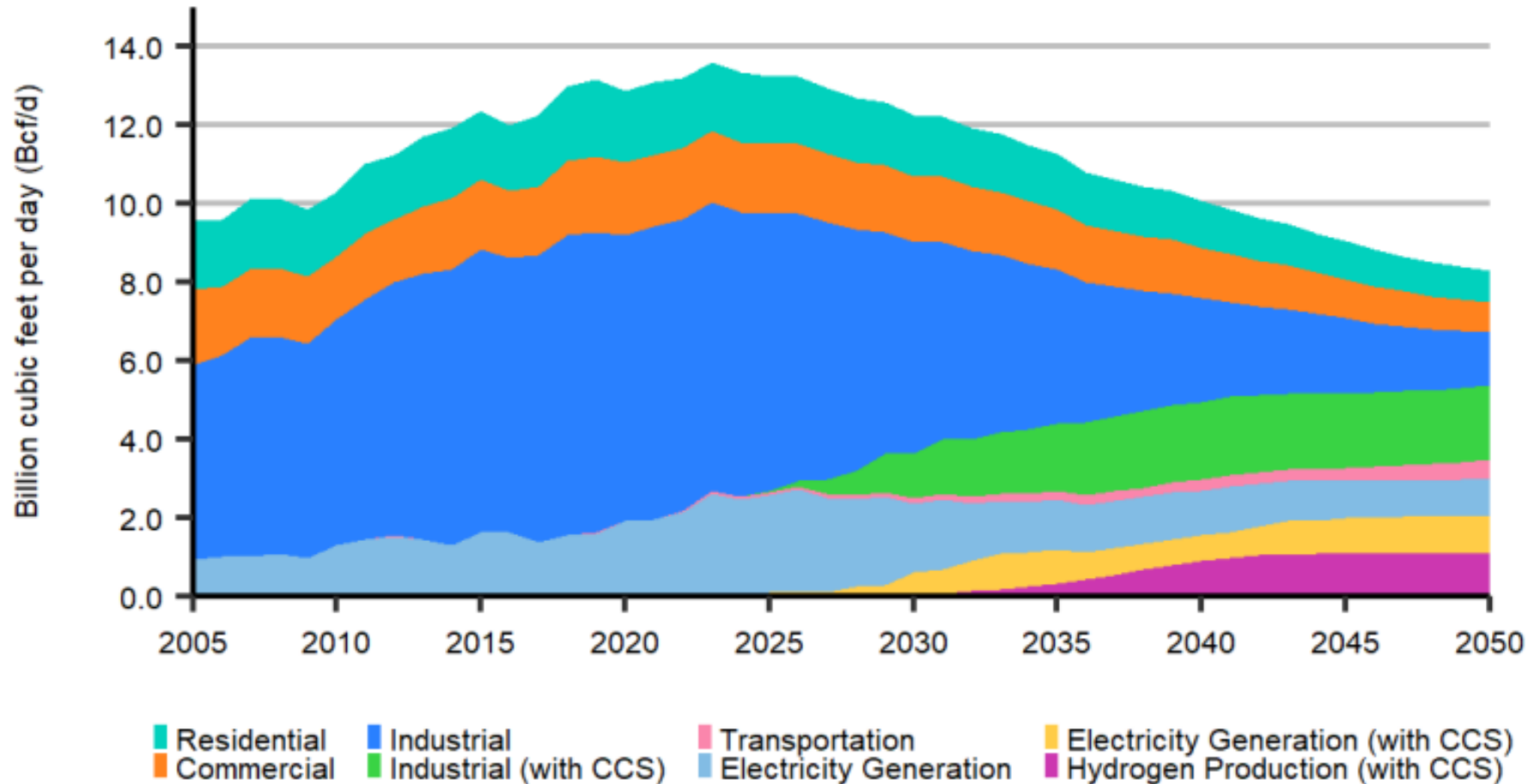
Hilary Thompson

Director, Storage and Transportation Business Development



Canada: Energy demand expected to grow

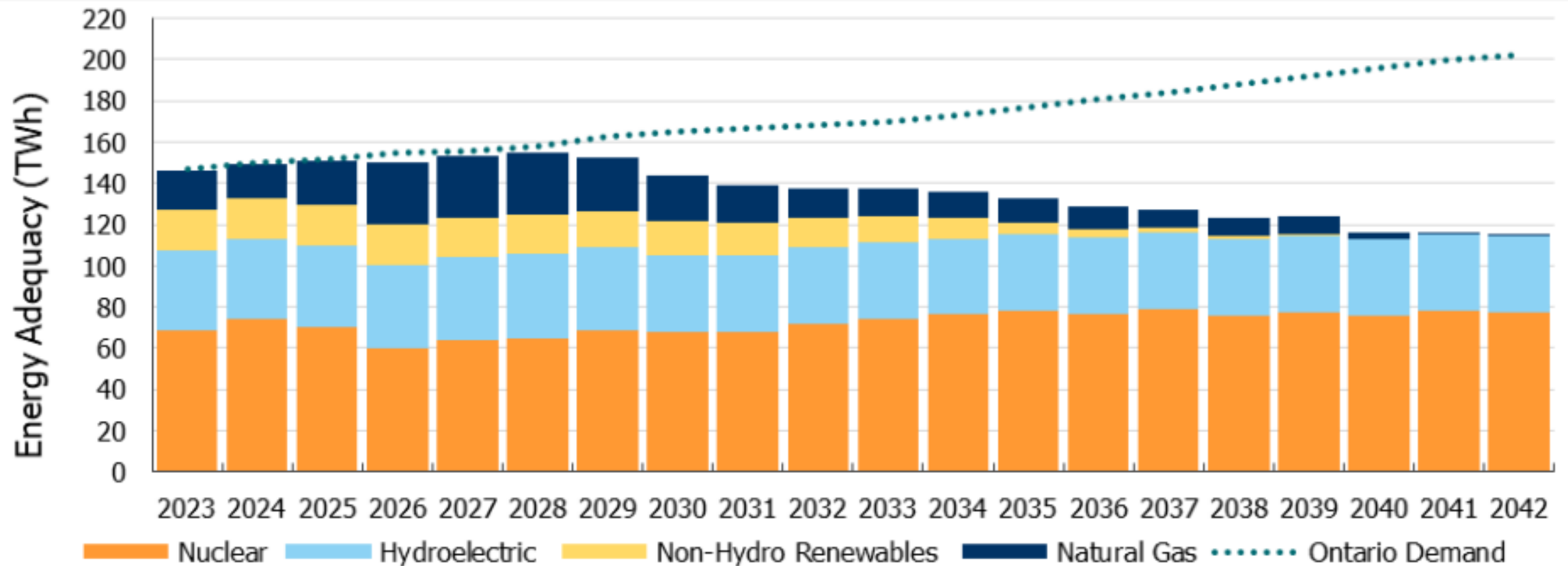
Natural gas demand by sector, evolving policies scenario



Source: Canada Energy Regulator, Canada's Energy Future 2021, Figure ES,14, p. 17

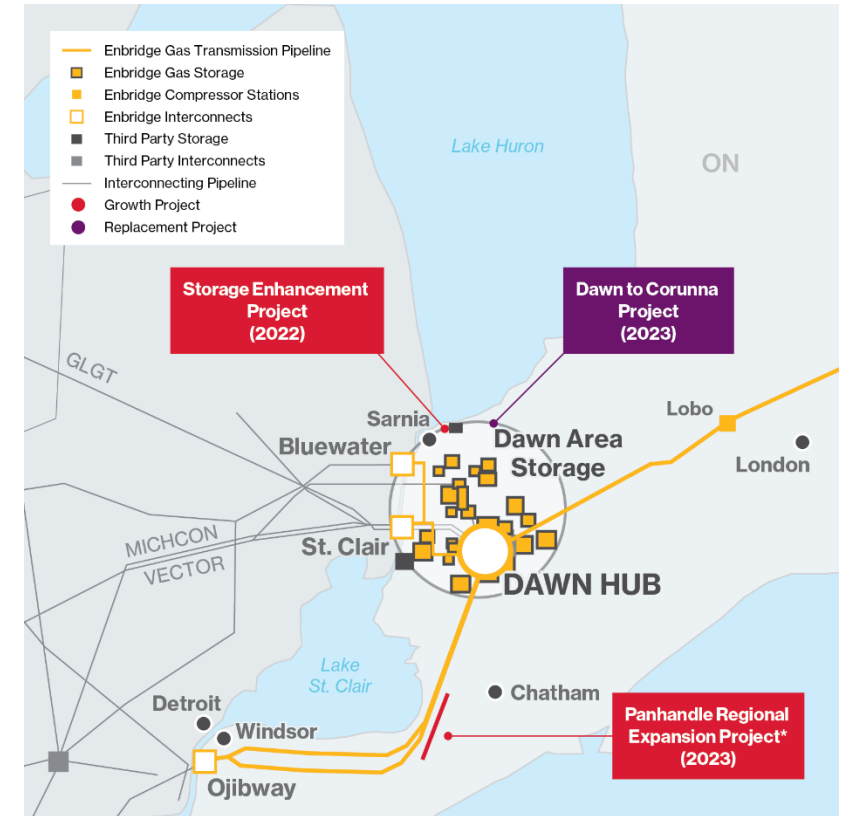
Ontario: Energy demand expected to grow

Energy adequacy outlook, without continued availability of existing resources



Forecasted growth in the near term

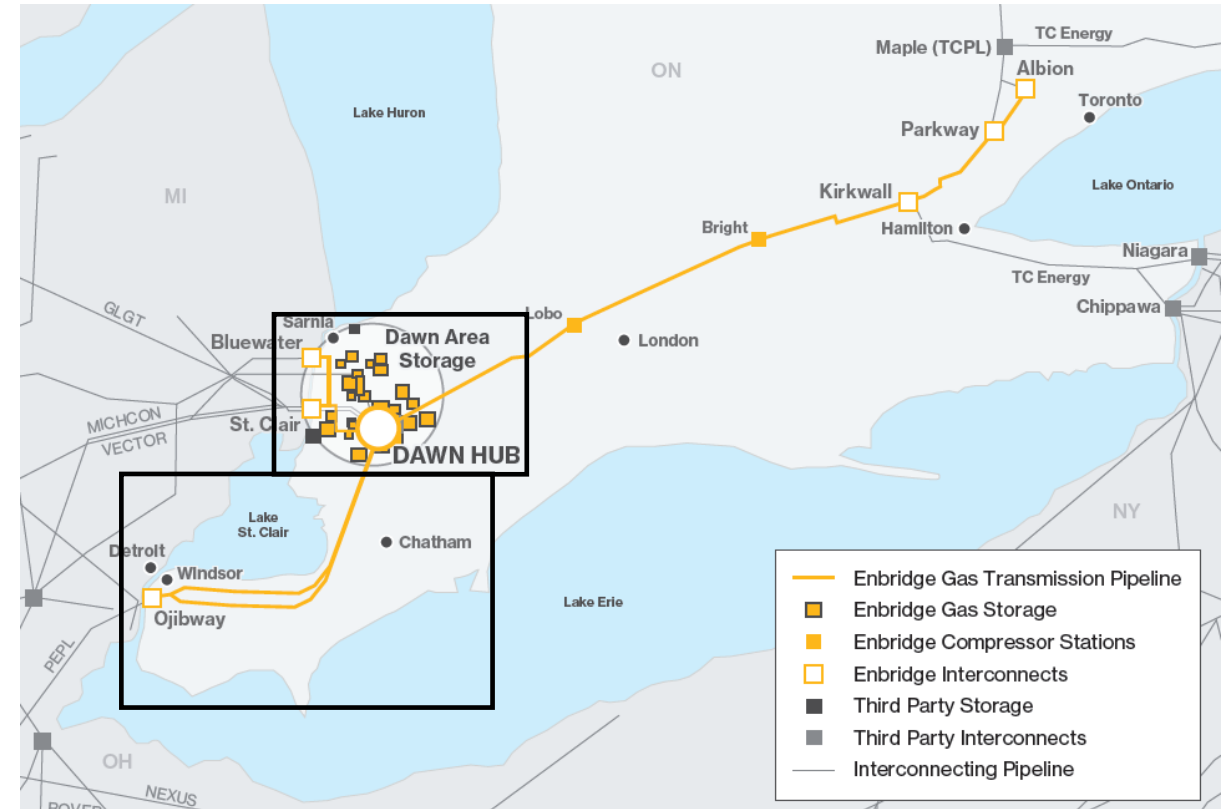
- Customer growth and community expansion
 - ~ 45K new customer additions annually
 - Over 200 expansion projects
- System reinforcements
 - Execution of a long-term asset plan
 - Continued investment for safe and reliable operations
- Anticipate continuation of growth post-2024
- Advancing hydrogen blending and RNG development strategy



Gradually increasing our ability to serve customers through renewable natural gas, CNG, and hydrogen investments.

Project development update

- Projects
 - Panhandle expansion
 - Dawn Storage system
 - Dawn-Corunna Project
 - 2021/2022 Storage Enhancement
- Services
 - No current open Request for Proposals (RFP)
 - No current open seasons published



Projects and services continue to be developed to meet growing demand.

Closing remarks

Jim Redford

Vice President, Energy Services







Equity

Diversity

Fairness

Representation

Inclusivity

Transparency

Collaboration

PLEASE
SHARE YOUR
THOUGHTS
AND EXPERIENCE



Mr. Number9

First time for this shop but very impressed.
I am happy with it :) Fine quality
Online administrator so nice and helpful
Best experiences i ever had. Recommended.



SUBMIT