Building the leading power producer in North America

Investor Presentation

January 2024

Capital Power

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Capital Power's strategic imperatives

A balanced approach to energy transition

1 DELIVER

Reliable & affordable power today

Optimize existing power plants through operational improvements, recontracting and/or expansions to meet growing power demand

Target critical gas generation assets in electricity markets we like with grid access we control

2 BUILD

Decarbonized power systems for tomorrow

Develop renewable and lower carbon power generation capacity in our core electricity markets

Innovate to find new ways to reduce emissions at existing generation sites

3 CREATE

Real net-zero power solutions for our customers

Invest in technologies and infrastructure that will reduce emissions for utility scale power generation in our target markets

Advance net-zero solutions for ISO's and large corporate customers through customized solutions

Building the leading power producer in North America

1 DELIVER
Dispatchable gas

7.8 GW Gas Operating Capacity[1,2]

5TH Largest Gas IPP[1,2]

2 BUILD
Renewables Generation

3.4 GW Renewables Pipeline

1.5 GW Renewables Operating Capacity[1]

3 CREATE
Net-Zero Power Solutions

2.3 GWh Storage Pipeline

3.0 Mt Approximate annual CO_2 reductions expected from Genesee CCS

Operational Excellence

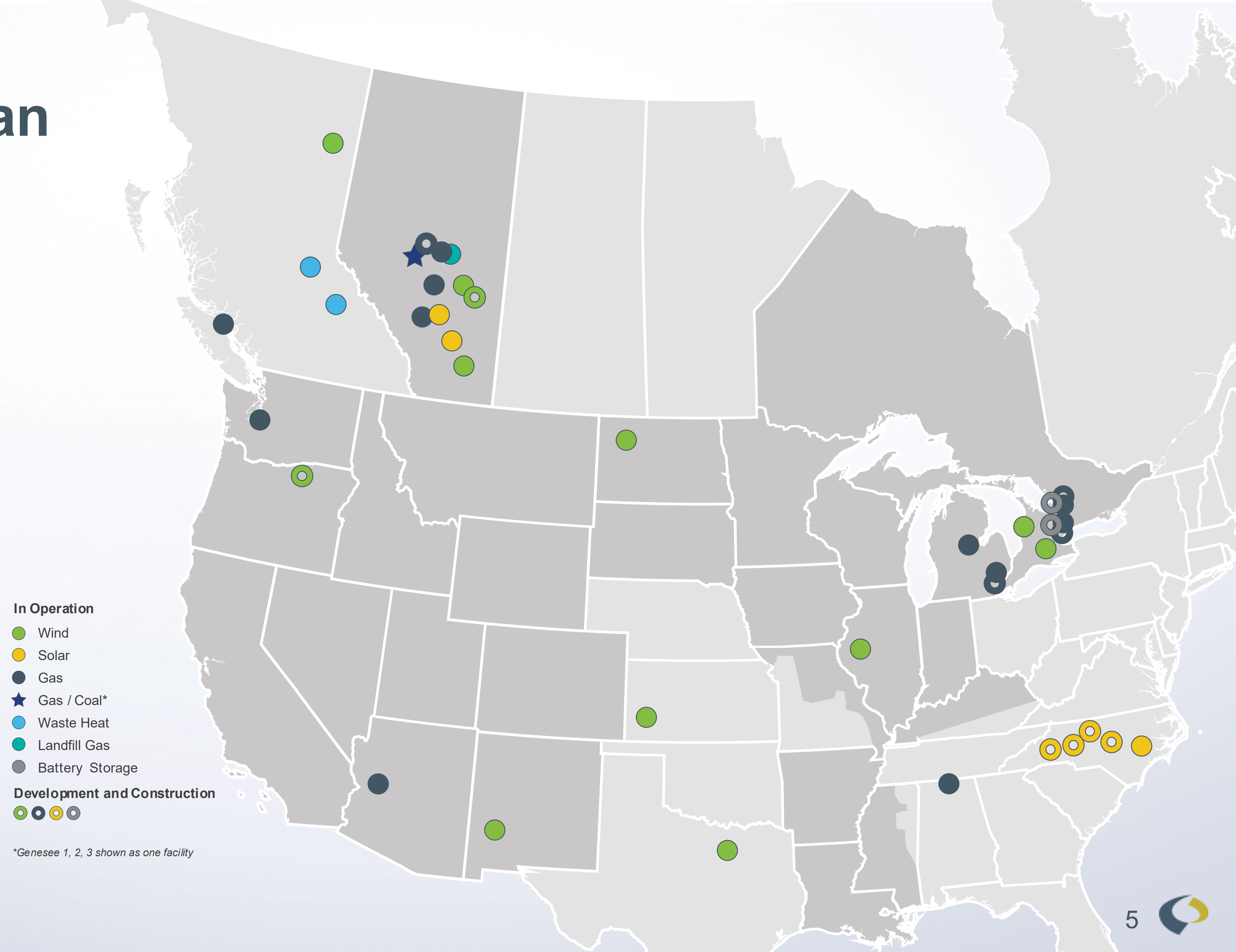
1. Owner and efficient operator since 2009
2. Best-in-class energy management platform
3. History of optimizing returns and re-contracting

1. Net GW. | 2. Pro forma the acquisitions and inclusive of Frederickson.

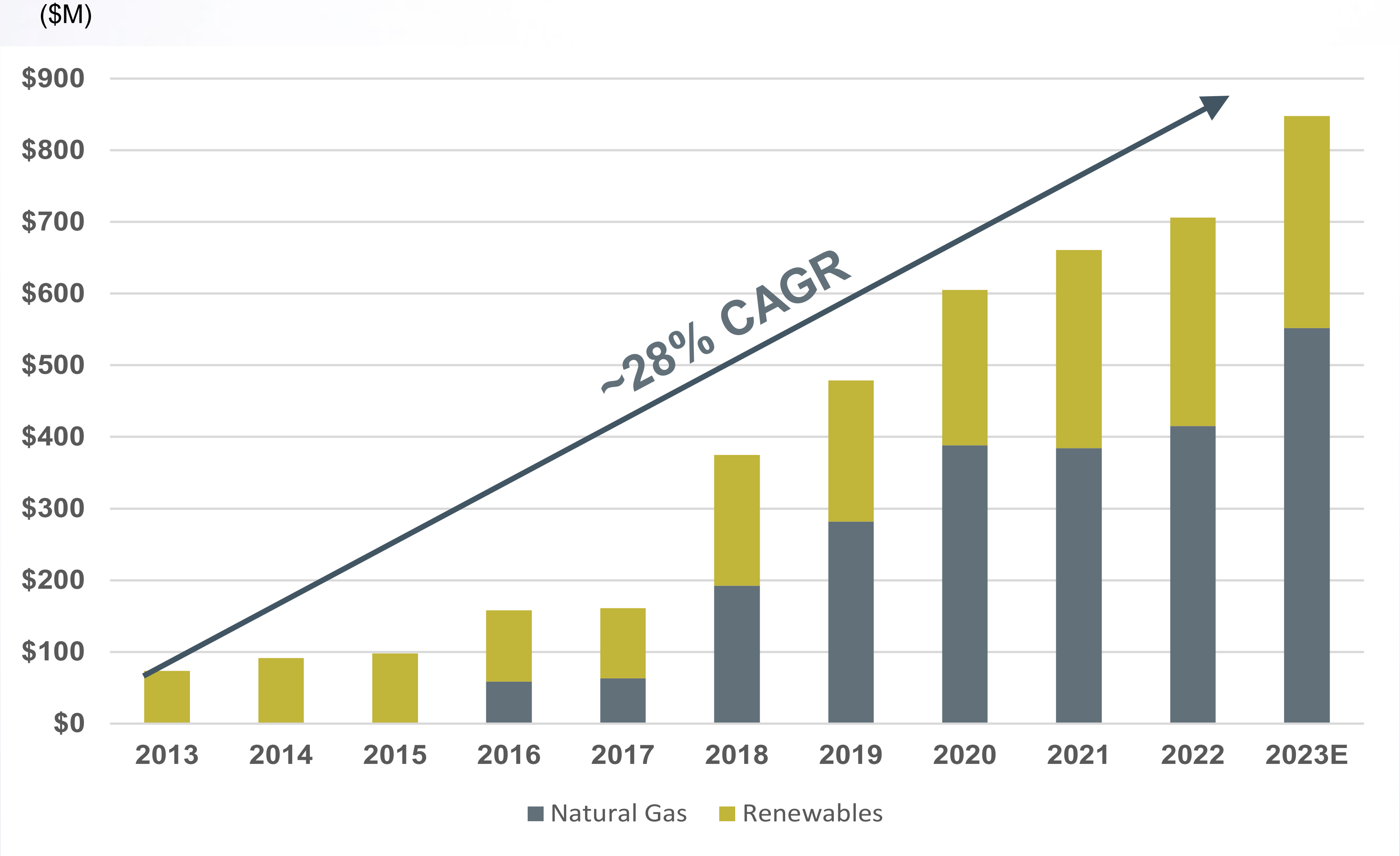
North American footprint

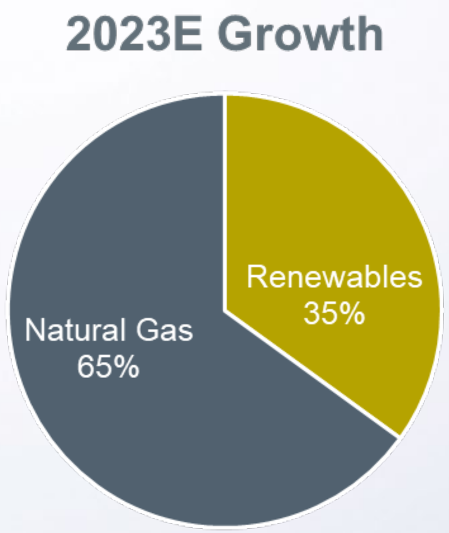
30
Operating Facilities

~7,700
Megawatts



Sources of adjusted EBITDA(1) from growth since 2013





1) Adjusted EBITDA is averaged over the periods starting with the first full year of operations after commissioning/acquisition.

Alberta Market

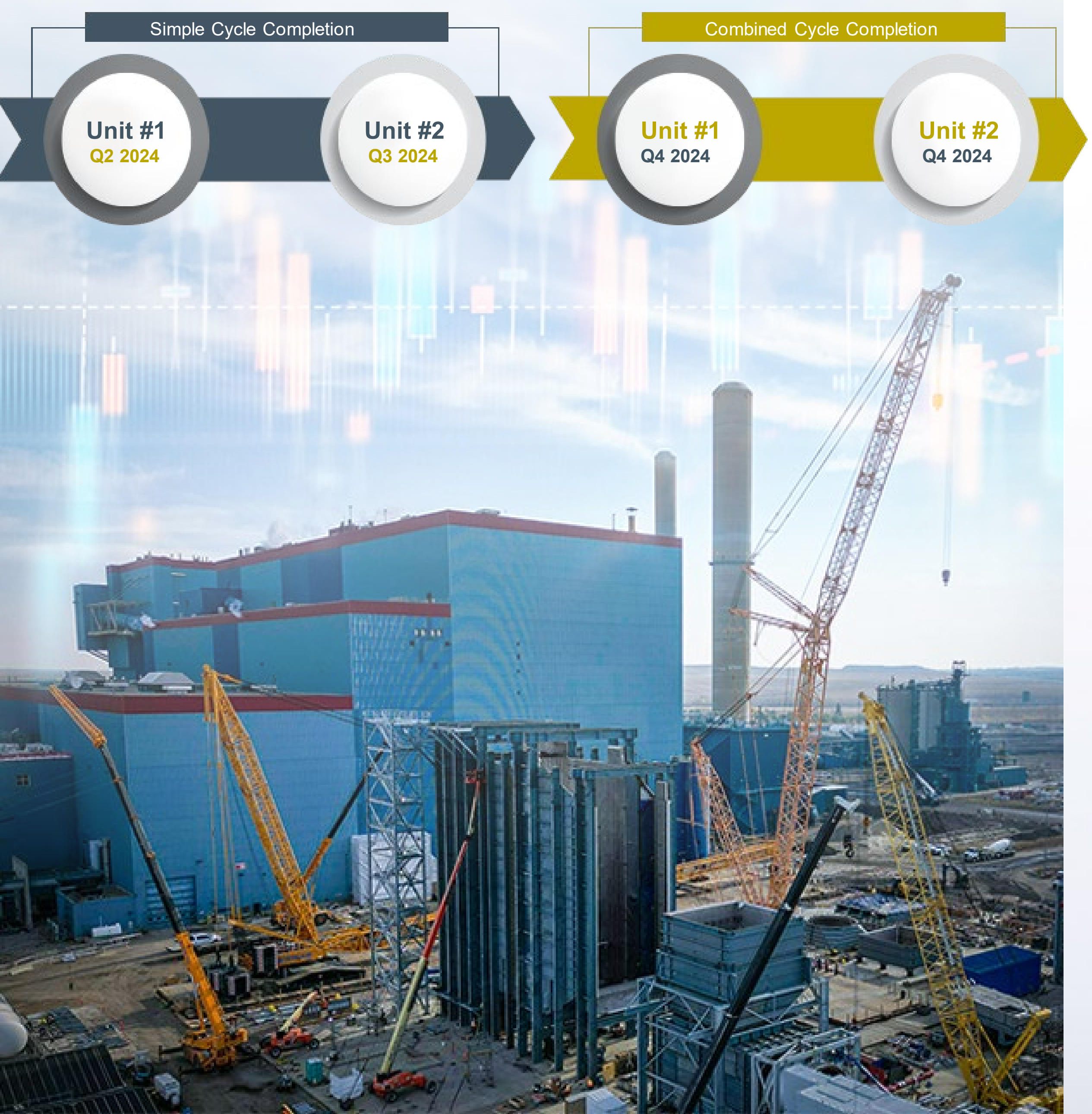
Strong positioning in the Alberta power market

- New supply (thermal and renewables) under construction adds ~6,300 MW over the next few years
- New renewables and efficient gas supply will displace less efficient thermal units
- Demand expected to increase modestly year-over-year
- Capital Power well-positioned to continue as the market leader with the most efficient and diverse fleet, coupled with prudent hedging

Genesee 1&2 Repowering project

- Transition from dual-fuel to gas resulting in 58% increase in generating capacity to 1,332 MW
- ~40% decrease in absolute annual emissions
- ~60% decrease in GHG intensity
- Attractive proforma economics
- Following completion, Genesee 1&2 will be the most efficient natural gas combined cycle plant in Canada
- 2024 COD expected

Our Repowering project demonstrates the value creation resulting from decarbonizing existing thermal assets



Genesee repower timelines/assumptions

Simple Cycle Completion – 411 MWs capacity

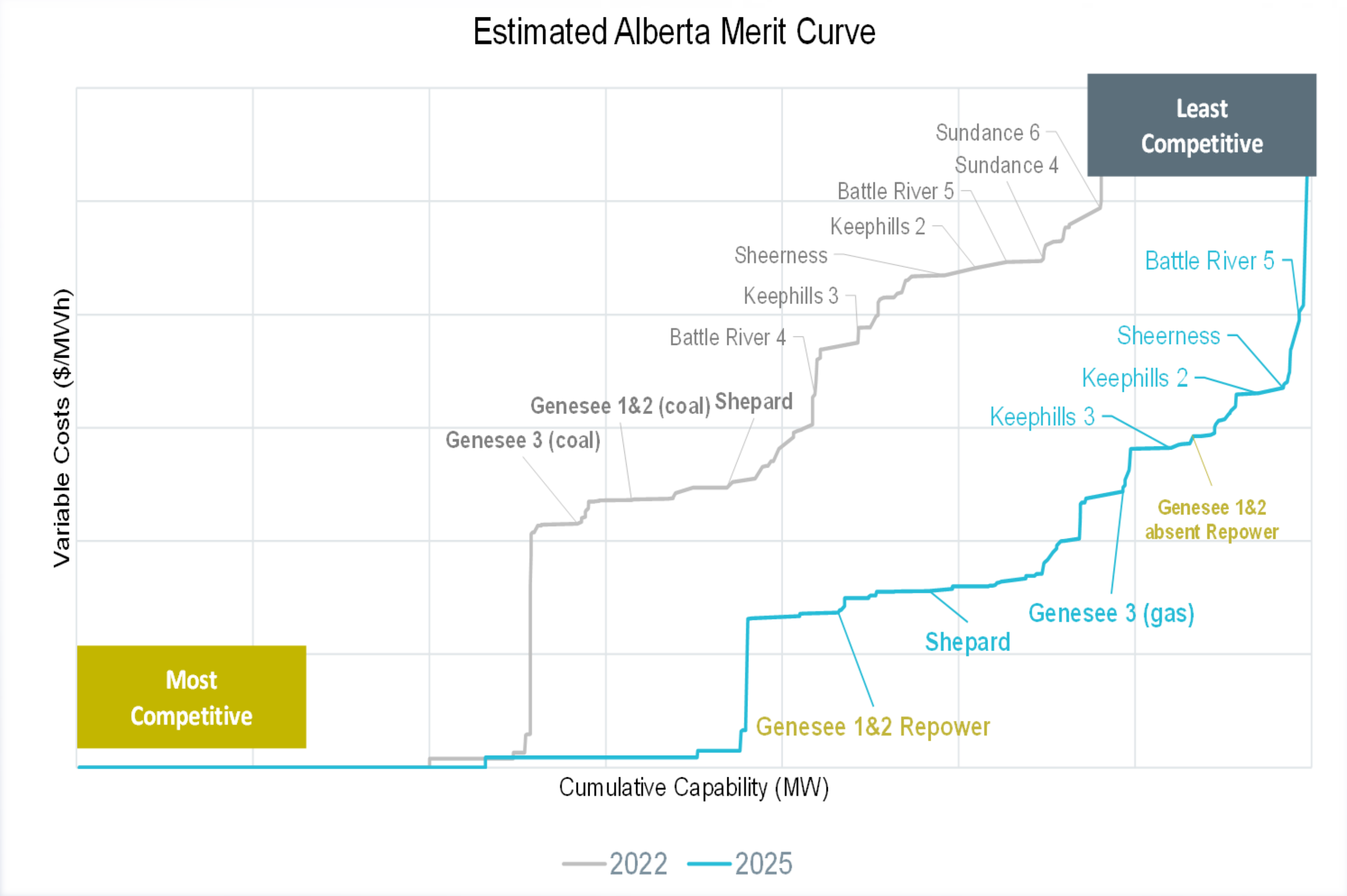
- Unit 1 Q2 2024
- Unit 2 Q3 2024
- Output during commissioning will range between 0 MWs and 411 MWs
- Existing dual fuel units will run in parallel until commissioning is complete

Combined Cycle Completion – 466 MWs capacity

- Unit 1 Q4 2024
- Unit 2 Q4 2024
- Each unit will have 22-day total outage time in advance of completion
- Output will range between 0 MWs and 466 MWs during commissioning
- Expect to reach 566 MWs on both units in the first half of 2025

Mid-point of financial guidance assumes approximately 1,000 GWhs of commissioning volumes during 2024

Repowering of Genesee 1&2 Preserves Competitive Market Position



Retired Asset	Capacity (MW)
Battle River 3	149
Keephills 1	395
Sundance 1	280
Sundance 2	280
Sundance 3	368
Sundance 4	406
Sundance 5*	406
Sundance 6**	401
Battle River 4**	155
Battle River 5**	385
Sheerness 1**	400
Sheerness 2**	400
Keephills 2**	395
Total	**4,420**
Retirements as a % of installed capacity(1)	~24%

Genesee
Carbon Capture Project

Positive technical assessment complete

- Pre-final investment decision (FID) work finalized with positive results including FEED study

Commercial and financing progress

- Productive discussions with government entities ongoing
  - Strong support for project to advance Alberta grid decarbonization
  - Supportive funding through various programs
- FID will be made when carbon assurance mechanism has been negotiated
  - Update on FID timing will be provided once there is a material update to commercial negotiations

Ontario Market

5 successful Ontario projects adding ~350 MW

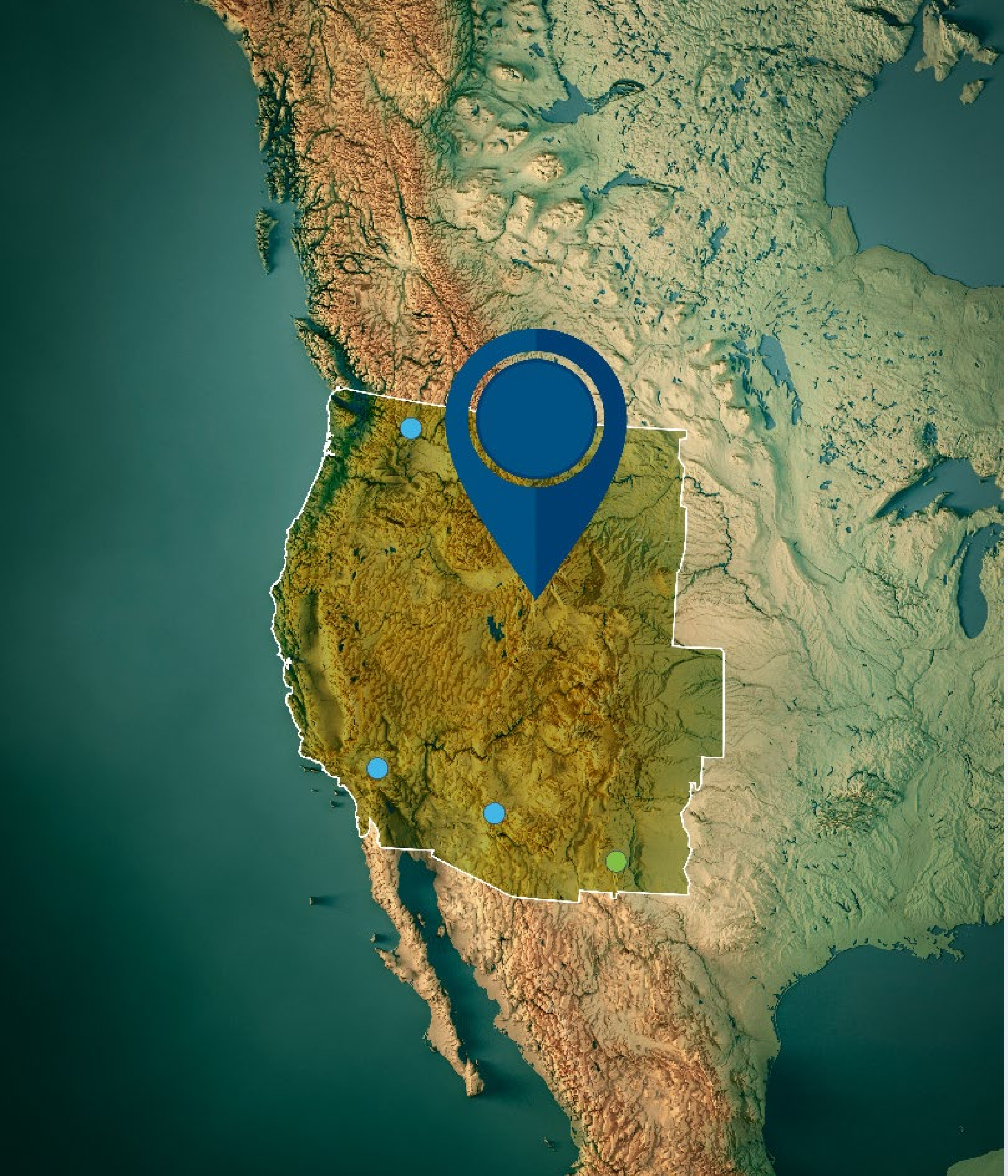
Contracts executed for all projects with Ontario IESO; COD targeted in 2025

Expedited Long-Term RFP ($655M cost)		
Project	Contracted Capacity	Term
East Windsor Expansion (106 MW)	81 MW summer 100 MW winter	To 2040 (~15 years)
York Battery Energy Storage System (120 MW)	114 MW	To 2047 (~22 years)
Goreway Battery Energy Storage System	48 MW	To 2047 (~22 years)

Same Technology Upgrade Solicitation				
Project	Existing Capacity	New Capacity	Total Capacity	Contract Expiry
Goreway Upgrade	840 MW	40 MW	880 MW	2035
York[1] Upgrade	393 MW	38 MW	431 MW	2035

1) 50% joint ownership with Manulife.

U.S. WECC Market



Favourable Market Dynamics in U.S. WECC[1]

- **Strong Fundamentals**
  - Market size (766 TWh in annual demand)[2]
  - Favourable demand growth outlook of 7% from 2020 to 2029[3]
    - Annual electric consumption in California is expected to increase from ~280 TWh to ~550 TWh by 2045[4]
    - Phoenix is a rapidly growing demand center with high industrial development and has the 2nd fastest growing population amongst U.S. cities[5]
    - ~7 GW capacity shortfall expected across the Desert Southwest system by 2033 due to significant thermal retirements[6]
  - Flexibility needs
- **Transparent Market Design**
  - Competitive market
  - Stability
  - Contracting
- **Commitment to Decarbonization**
  - Baseload capacity retirements
  - California targeting carbon neutral by 2045
  - Future low carbon solutions

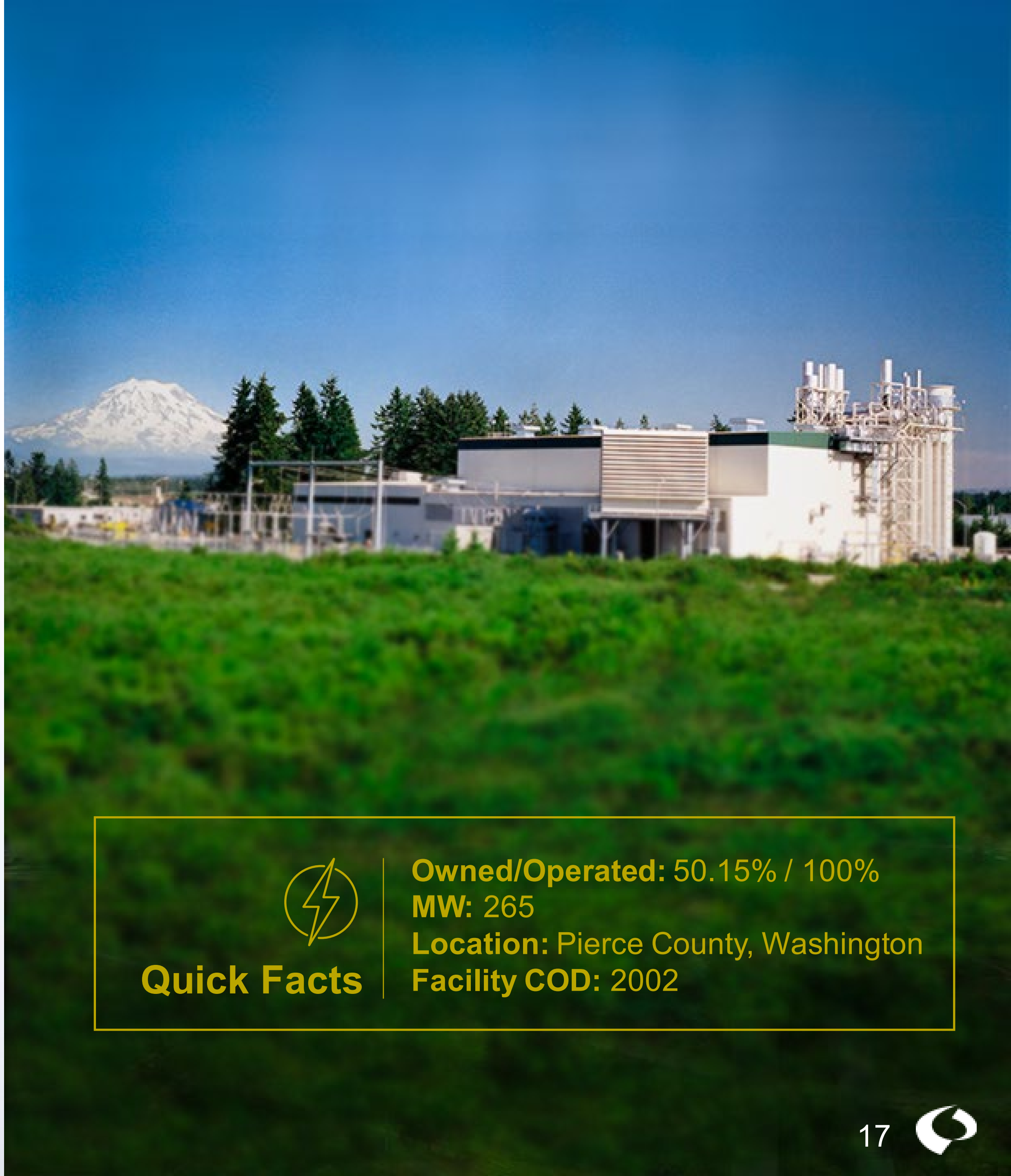
(1) Excludes Alberta and British Columbia.
(2) Source: WECC (2022) – State of the Interconnection, Annual Demand.
(3) Source: WECC – Generation Resource Adequacy Forecast.
(4) Source: San Diego Gas & Electric, Boston Consulting Group, and Black & Veatch (April 2022). Projections of 280 TWh in 2020 and 549 TWh in 2045.
(5) Source: U.S. Census Bureau (May 2023). Based on cities with the largest population increases between July 1, 2021, and July 1, 2022, with populations of 50,000 or more.
(6) Source: ICF. Based on estimated cumulative thermal retirements in the Southwest Reserves Sharing Group region from 2022 to 2033.

Frederickson 1 acquisition

Strategic diversification in Pacific Northwest

Frederickson 1 Generating Station

- Fully contracted with credit-worthy counterparties to October 2030
- High-quality, reliable baseload generation asset in the Puget Sound Region diversifies our geographic footprint
- Well-positioned for re-contracting with legacy coal retirements on the horizon
- Prime location allows for future developments such as a battery installation or hybrid opportunity
- Projected average contracted EBITDA of US$15 million (CAD$21 million) per year during the 5-year period of 2024-2029
- Expected to deliver accretive near-term cash flows
- Acquisition closed in December 2023



Quick Facts

Owned/Operated: 50.15% / 100%
MW: 265
Location: Pierce County, Washington
Facility COD: 2002

La Paloma and Harquahala acquisitions

Positioning Capital Power as a Leading Power Producer in North America

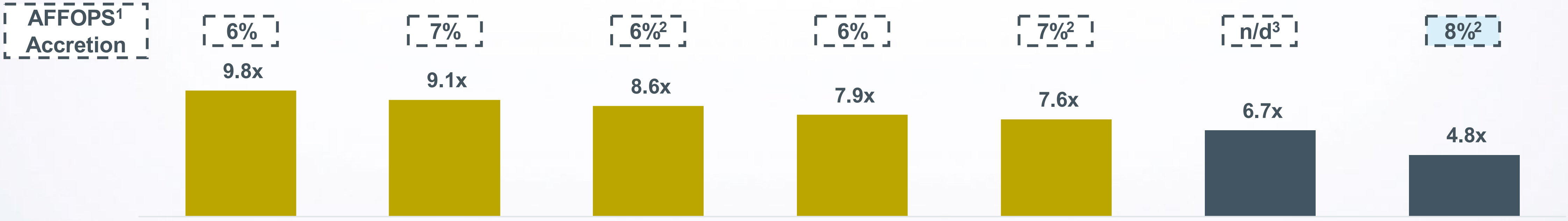
1	Key Gas Assets in Large US Market	• La Paloma and Harquahala are **critical infrastructure assets** in their respective markets • Amplifies the opportunity for further growth through a **new "hub" in the WECC[1] market**, particularly attractive given California's ambitious energy transition mandate and Phoenix's rapid growth
2	Attractive Valuation & Accretion	• Acquisition multiple: **4.8x EV / Adj. EBITDA[2]** (2024) and 5.4x average Adj. EBITDA[2] ('24-'28 avg.) • AFFOPS[2] accretion: immediately accretive with **average accretion of 8%** ('24-'28 avg.) • Transaction **Adjusted EBITDA[2] contribution: $265M** ('24-'28 avg.)
3	Enhances Market Leadership	• Pro forma the acquisitions[3], Capital Power will become a **Top 5 Gas IPP in North America** • Unlocks additional O&M synergies and drives further competitive advantage
4	Institutional Validation	• Formation of a 50/50 **partnership with BlackRock** to own Harquahala • Announced **AIMCo $100M private placement** of Capital Power subscription receipts
5	Balanced Financing Plan	• **Maintains investment-grade credit rating** and balance sheet strength • De-risked through concurrent bought deal and private placement for aggregate proceeds of $400M

The transaction continues Capital Power's track record of acquiring accretive natural gas assets with attractive contracts in growing electricity markets

1. Western Electricity Coordinating Council. 2. See Non-GAAP Financial Measures and Ratios. 3. Inclusive of Frederickson.

Attractive valuation and re-contracting opportunity

Recent Capital Power Gas Acquisitions (EV / Adj. EBITDA[1])



	Decatur Energy Centre	East Windsor / York Energy Centre	Arlington Valley	Goreway	Midland	Frederickson	Harq. & La Paloma
PPA Term at Acquisition	5 years	14 years[4]	7 years	10 years	9 years	7 years	8 years[6]
Re-contracting Extension	10 years	3 years[5]	6 years	6 years	n/a	n/a	n/a
Province / State	Alabama	Ontario	Arizona	Ontario	Michigan	Washington	Arizona and California
Region	SERC	Ontario	WECC[7]	Ontario	MISO	WECC[7]	WECC[7]

Capital Power has a proven track record of adding value through natural gas acquisitions

1. See Non-GAAP Financial Measures and Ratios.
2. Expected 5-year average accretion from the date of acquisition.
3. n/d: not disclosed.
4. Weighted average of 12-year remaining PPA at East Windsor and 15-year remaining PPA at York Energy Centre at the time of acquisition.
5. Executed a 3-year contract extension for the York Energy Centre associated with its successful bid in the Same Technology Upgrade Solicitation. The contract extension applies to the new contracted capacity of 431 MW (from the COD of the upgrades expected in 2025) and extends the current contract from 2032 to 2035.
6. La Paloma is partially contracted through various resource adequacy contracts.
7. Excludes Alberta and British Columbia.

Market leading position in energy security

Energy Security Champion

- Acquisitions will create 5th largest reliable and flexible gas power generation fleet in North America[1,2]

Geographic Diversification

- Grows footprint in complementary and attractive markets

Balanced Development Pipeline

- Critical dispatchable gas assets support renewables build-out

Economies of Scale

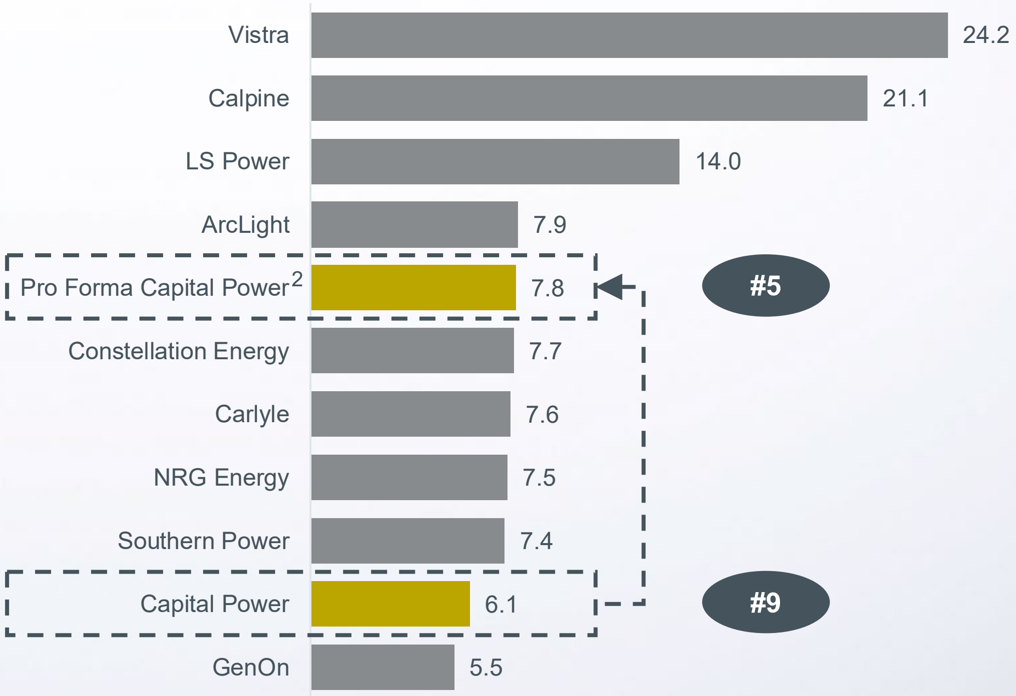
- Enhanced asset management capabilities

Access to Capital

- Increases scale of balance sheet and broadens institutional partnerships

Top 10 North American Non-Reg. Gas Operators[1]

(Net GW, Gas-Fired Capacity Only)

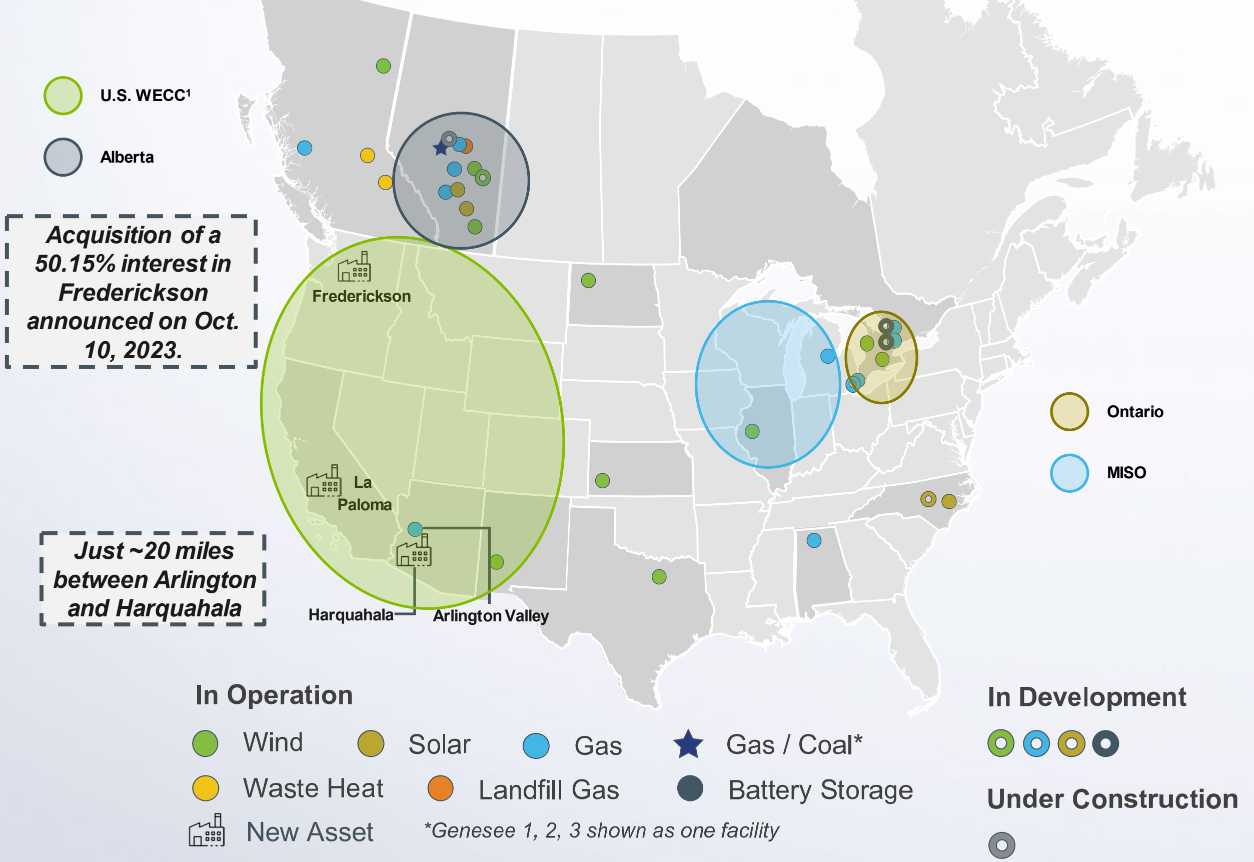


Pro forma, Capital Power will be a Top 5 Gas IPP in North America[1,2]

1. Based on net unregulated capacity utilizing S&P Global Market Intelligence database of gas-fired generation operators (November 2023) and referenced against publicly disclosed sources where available. Capital Power's status as the 5th largest operator of flexible and reliable gas-fired generation in North America includes its previously announced acquisition of the Fredericksonn 1 Generating Station.
2. Inclusive of Frederickson.

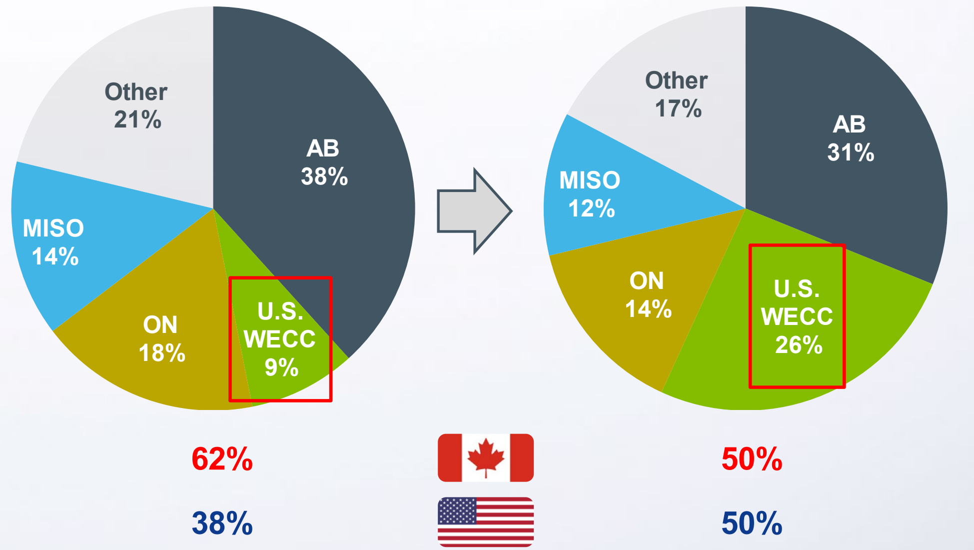
Capital Power Emerges as One of the Largest and Most Diversified Power Generators in North America

Capital Power's North American Strategic "Hubs"



A Diversified North American Company

Net Operating Capacity by Region



WECC expansion balances Capital Power's capacity between Canada and the U.S.

1. Excludes Alberta and British Columbia.
2. Excludes Frederickson.
3. Includes La Paloma, and net capacity at Harquahala and Frederickson.

Growth Opportunities

Robust growth opportunities

- Growth strategy aligns with our sustainability goals
- Decarbonization is an immense opportunity for gas and renewable technologies
- Strong renewables growth pipeline in Western Canada and the United States

Key trends and market drivers

Key criteria we look for in energy markets that we invest in includes:

Strong Fundamentals

- Positive economic outlook with growing population and energy demand resulting in opportunities for development, contracting and re-contracting assets

Transparent and Stable Market Design

- Reasonable certainty on future policies and regulatory environment creating favourable climate for development projects and decarbonization solutions

Commitment to Decarbonization

- Markets with opportunities for flexible capacity to support reliability and long-term deployment of clean energy technologies from:
  - Increasing demand outlook from electrification,
  - Prioritization of renewable development, and
  - Expected thermal retirements

Our growth pipeline: 4,700 MW and growing

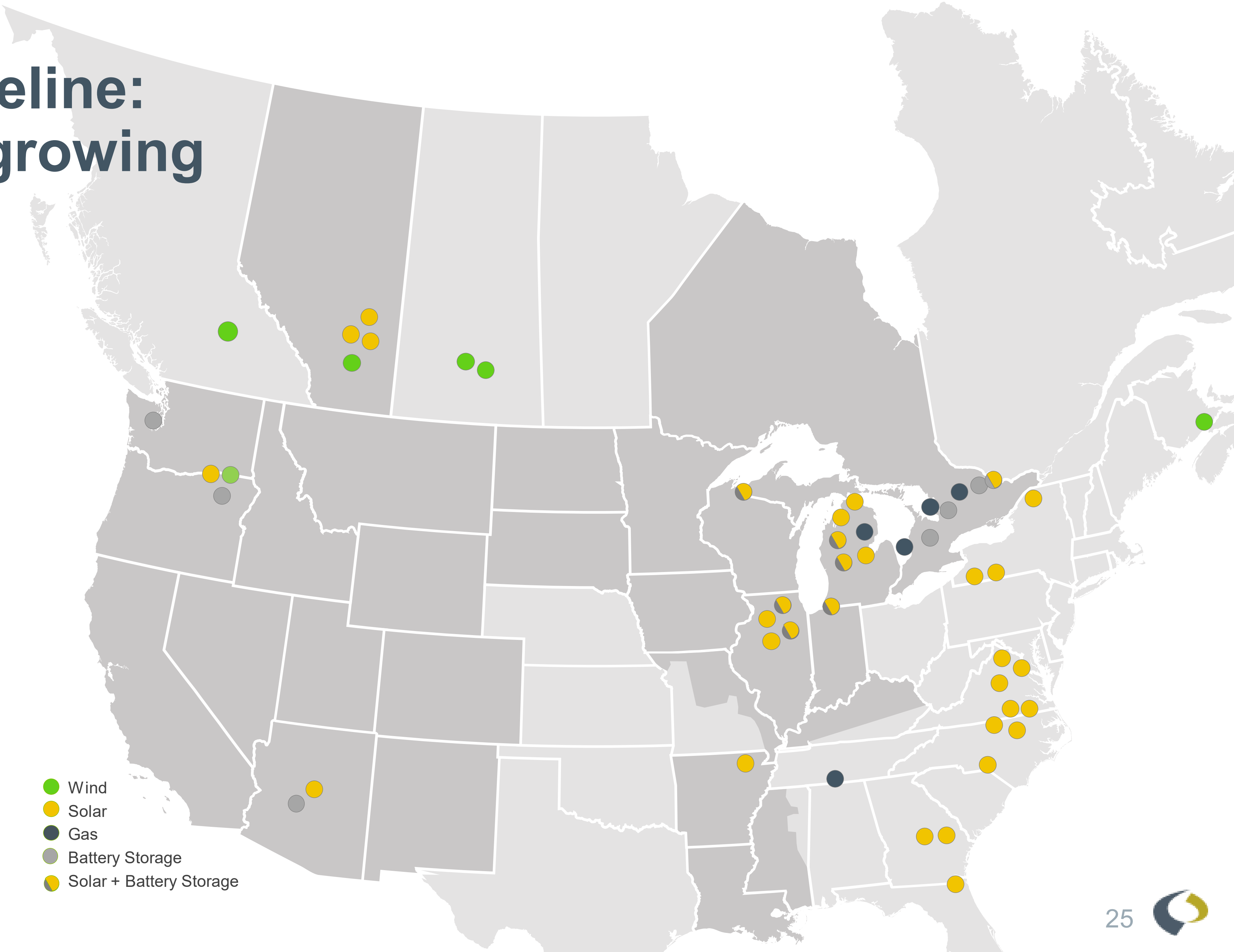
Significant near-term growth opportunities in Western Canada, Ontario, North Carolina and MISO market

924 MW
wind

2,486 MW
solar

700 MW
gas

583 MW / 2,300 MWh
battery storage



Our midlife natural gas strategy in action

Acquire midlife gas

- Accretive & contracted
- Advantaged location
- Competitive operational features
- In markets with strong capacity needs

✓ **Acquired 7 assets since 2017**

Enhance value

- CT upgrades
- Carbon mitigation
- Gas transport and storage optimization
- Effective energy management

✓ **Multiple levers to add value**

Re-contracting

- **Island Generation** extended through 2026
- **Decatur** renewed through 2032
- **Arlington** tolling contract extended through 2031
- **Ontario facilities**: 2 contract extensions and 3 new contracts

✓ **Midland Cogen: Strong re-contracting dynamics**

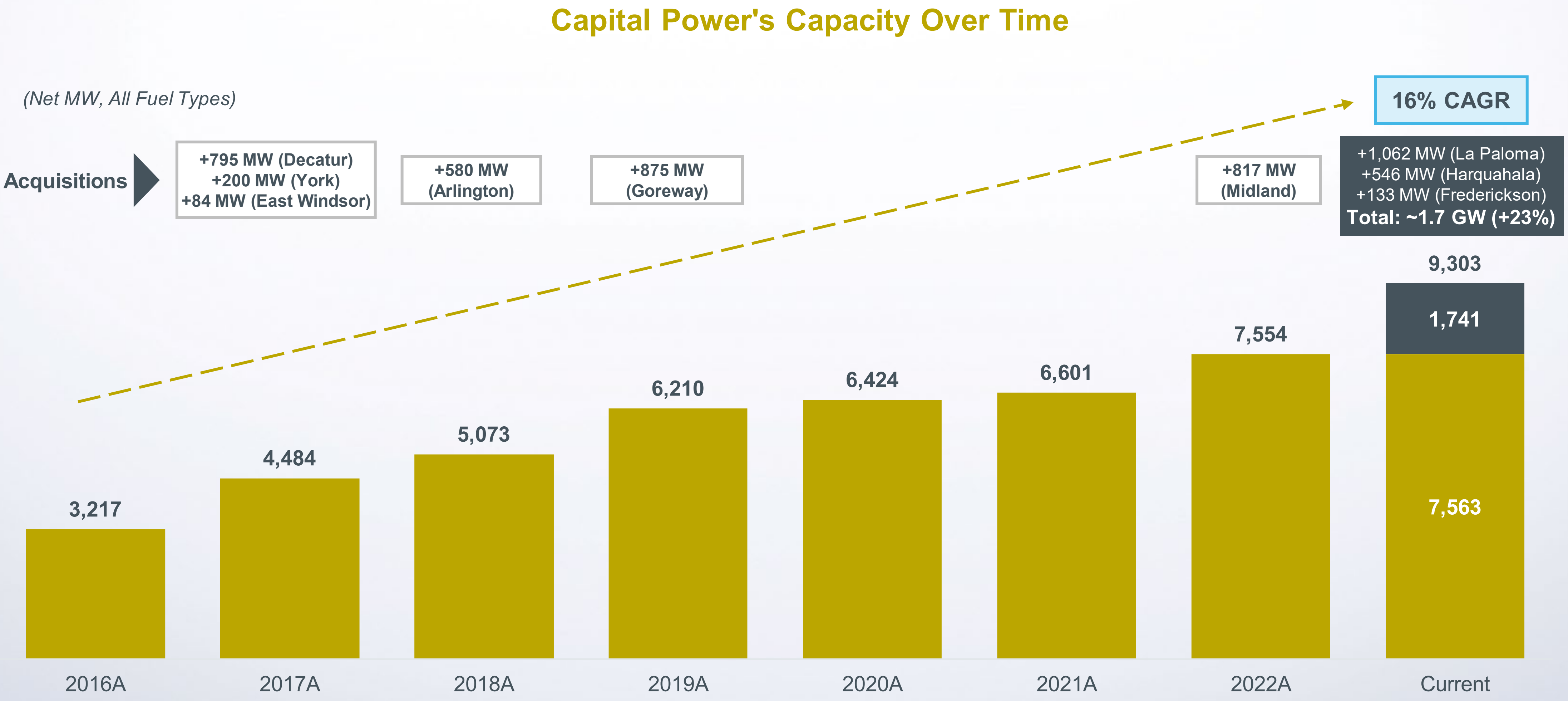
Leverage brownfield advantages

Ontario facilities:

- **Efficiency upgrades**: York Energy and Goreway (78 MW total)
- **Capacity expansion:** East Windsor (106 MW) with 15- year contract
- **Battery storage:** York Energy and Goreway (168 MW) with 22-year contracts

✓ **Expansion potential at Midland Cogen**

Natural gas strategy: a blueprint for success



U.S. solar growth

North Carolina

- Maple Leaf Solar – executed 25-year, fixed price renewable PPA with Duke Energy Progress for 100% of output
  - 73 MWac (92 MWdc) capacity with a cost of $219M and expected COD in Q4/26
- 2 well-positioned solar projects bid into Duke's Sep/23 Solar Procurement RFP

Solar modules supply agreement with First Solar

- Secured first order for 1 GW of responsibly produced, ultra-low carbon solar modules to support our solar development pipeline in the U.S. totaling nearly 2.4 GW
- Ensures the use of U.S. made products will qualify our projects for domestic content under the Inflation Reduction Act (IRA)

Financial Strategy

Executing on our financial strategy

- Strong and resilient cash flow funds growth capex and maintains investment grade credit rating
- Strong track record of annual dividend increases with dividend growth guidance of 6% per year to 2025
- 5-year TSR of 123%[1] (trailing 5-year period ending Jun/23)
- Long-term target TSR of 10-12%

1) Source: S&P Capital IQ

Stable financial strategy

Maintain financial stability

- Strong liquidity available on $1B of credit facilities
- Risk mitigation by stabilizing cash flows through contracting and hedging activities

Funding growth towards a net zero future

- Internally generated cash flow funds current growth capex

Maintain investment grade credit rating

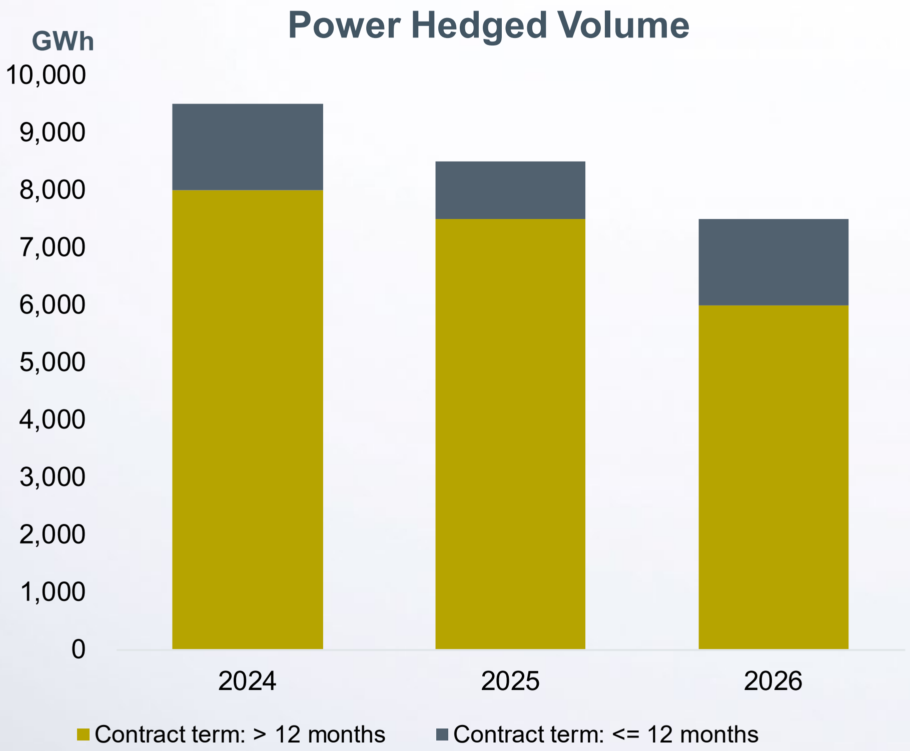
- Credit metrics meet or exceed rating agency targets for current ratings

Deliver annual dividend growth

- 6% annual dividend growth to 2025
- Payout ratio below target of 45-55%

Alberta commercial portfolio

Reducing volatility and risk through hedging



>12 Months

High-$70/MWh

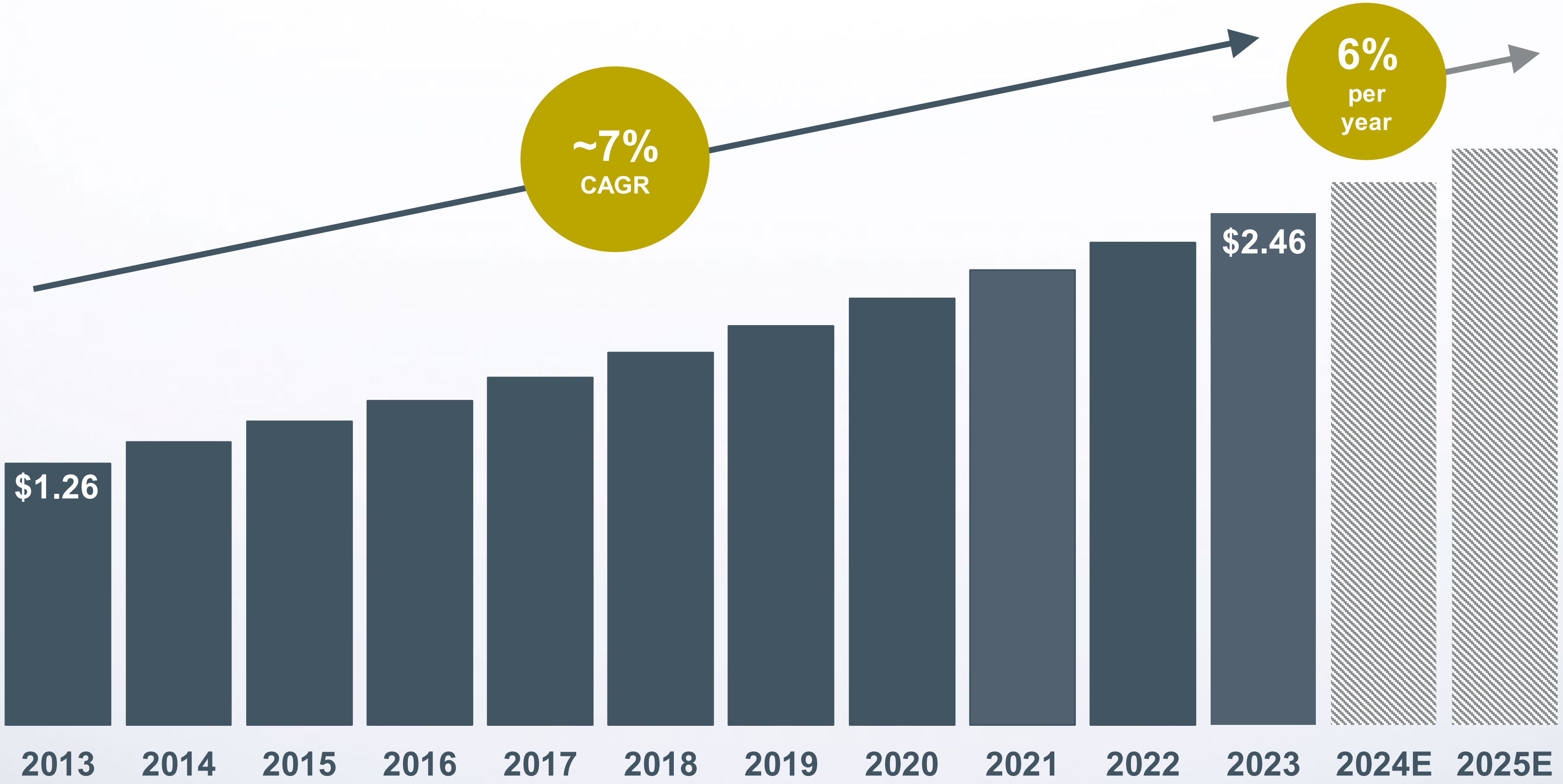
Weighted average hedged price

	2024	2025	2026
Power			
Hedged volume (GWh) [3]	9,500	8,500	7,500
Weighted average hedged prices [1] ($/MWh) [3]	Mid-$70s	Mid-$70s	Mid-$70s
Forward Alberta power prices ($/MWh) [4]	$87	$68	$68
Natural gas			
Hedged volume (TJ) [3]	70,000	55,000	50,000
Weighted average hedged prices [1, 2,3] ($/GJ)	< $2.00	< $3.00	< $4.00
Forward Alberta gas prices ($/GJ) [4]	$2.80	$3.70	$3.80

1) Forecasted average contracted prices may differ significantly from future average realized prices as future realized prices are driven by a combination of previously contracted prices and settled prices. When long-term forward portfolio optimization hedges are transacted, they reflect the market's expectations for future period pricing.
2) Net of gains as part of the Company's gas portfolio optimization activities, including sales of previously purchased length.
3) Hedge data as of September 30, 2023
4) Forwards as of October 30, 2023

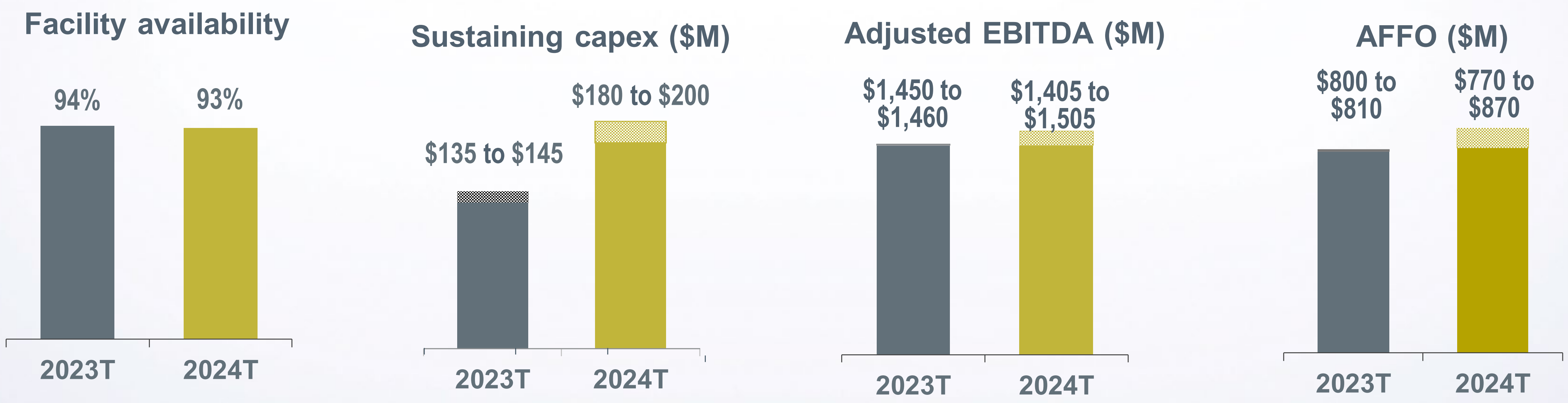
Delivering a decade of dividend growth

Annual dividend guidance of 6% per year to 2025



1) Subject to market conditions, economic outlook, cash flow forecast, and Board approval at the time.
2) 2013 to 2023 annualized dividend based on year-end quarterly common shares dividend declared.

2024 Operational and Financial Targets

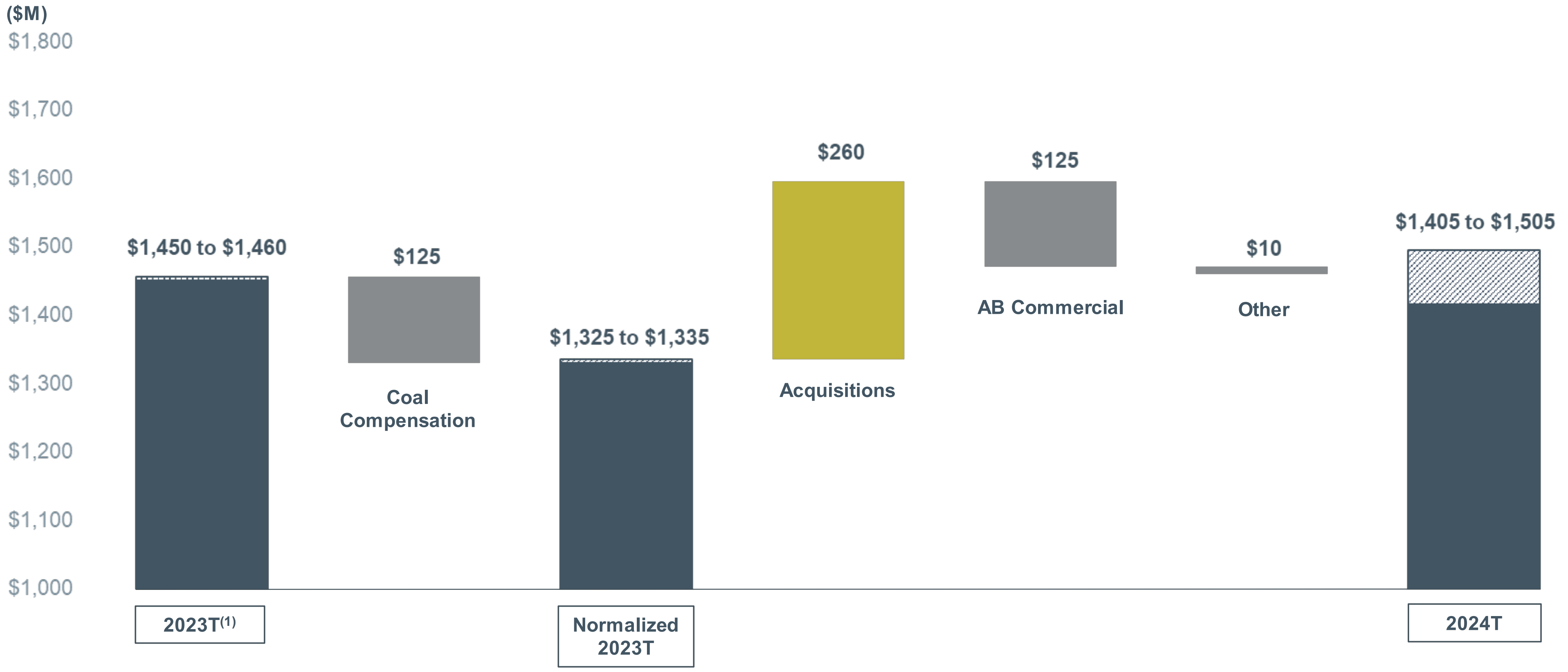


2024 Guidance

- Facility availability reflects Genesee repower commissioning – total fleet performance continues to be strong
- Sustaining capex is consistent with 2023 but includes acquired assets
- 2024 financial ranges have widened to reflect variability on construction and commissioning, and closing dates for La Paloma and Harquahala

2024 Adjusted EBITDA Compared to 2023 Guidance

Increase of over 9% in year-over-year adjusted EBITDA on normalized basis



1) 2023T expected to be low end of the guidance range of $1,455M - $1,515M

2024 Guidance Summary

Strong Financial Performance

- Over 9% increase over 2023 in normalized Adjusted EBITDA

Genesee Repower project complete

- Most efficient combined cycle unit in Canada
- Reduces approximately $200M in carbon tax

Acquisitions diversify portfolio and cashflow resiliency

- Canada/U.S. EBITDA split now approximately 60% / 40%
- Adds significant Contracted EBITDA

Credit Metrics within target ranges, continued balance sheet strength

- Guidance for 6% annual dividend increase maintained through to 2025

Delivering reliable, affordable and decarbonized electricity solutions

Reliable Power

Stable and growing cash flows from a highly contracted generation portfolio

Operational Excellence

Well maintained and efficiently operated plants

Net Zero by 2045

ESG leader committed to decarbonization

Balance Sheet Strength

Committed to maintaining an investment grade credit rating

Disciplined Growth

History of dividend growth with guidance of 6% annual growth through 2025

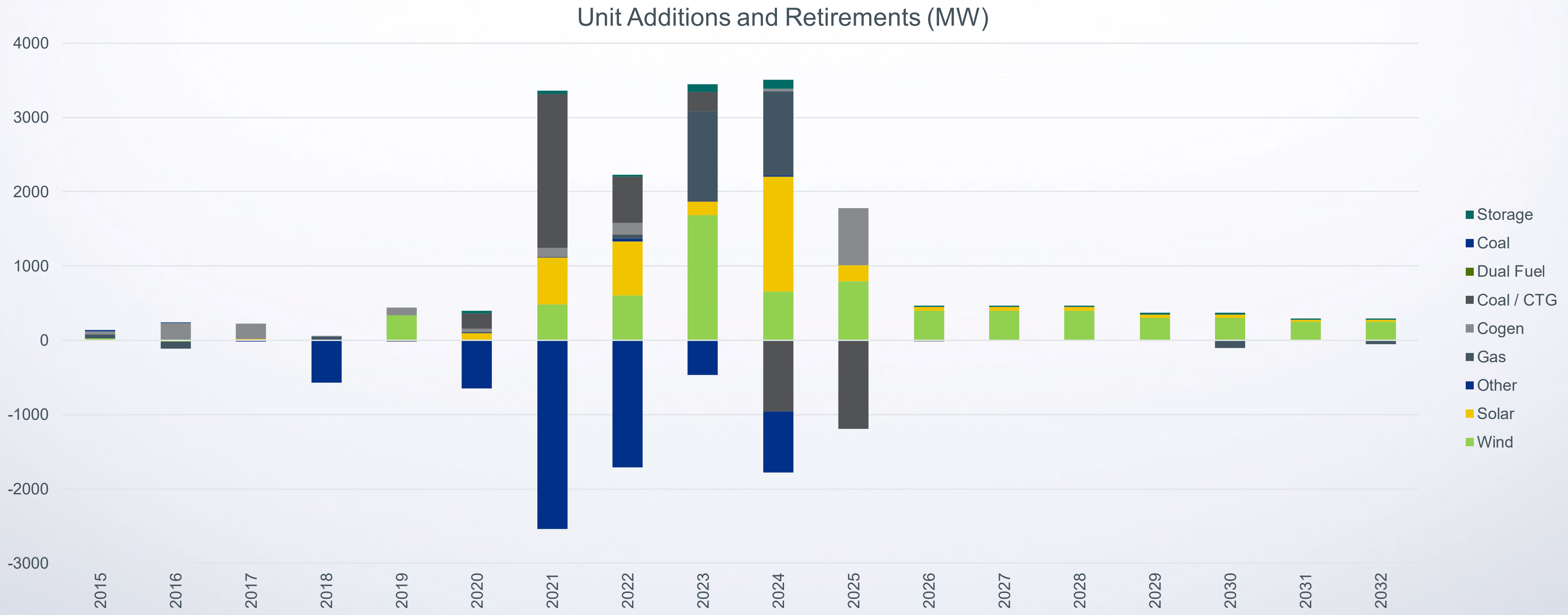
Powering change by changing power

Appendix

- Alberta power market – supply
- Alberta power market – fuel source breakdown
- Credit rating metrics
- Debt maturity profile
- Political and environmental regulations
- Corporate profile

Alberta power market

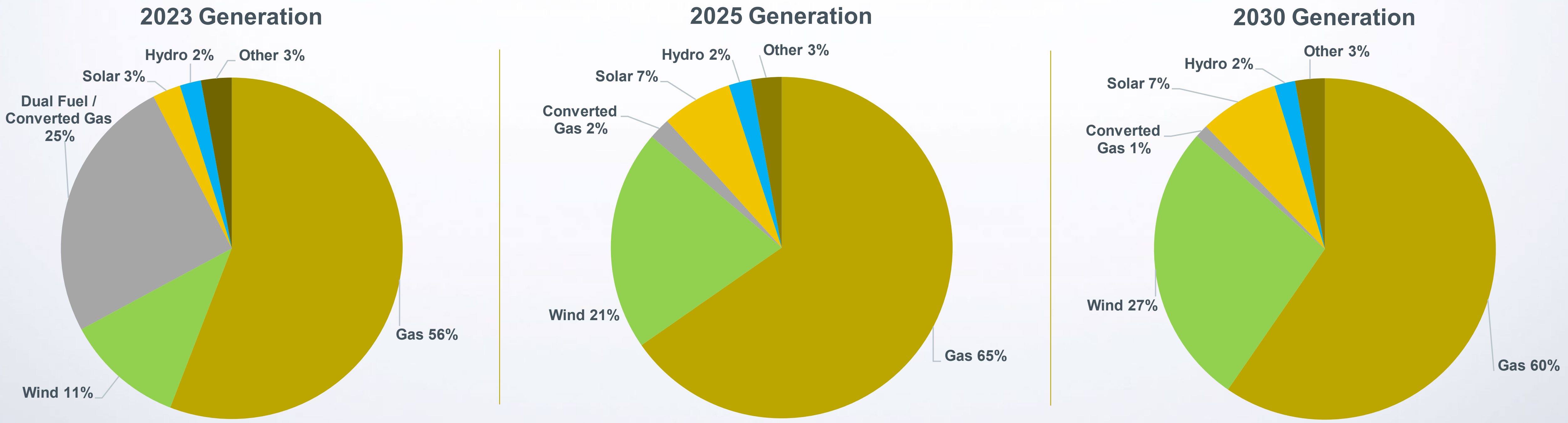
A market in transition



Source: AESO actuals; Capital Power projection.

Alberta power market

Gas provides the majority of electricity output



Source: AESO 2023 Annual Market Statistics; Capital Power projection.

Financial stability and strength

Strong balance sheet and continued commitment to investment grade credit ratings

S&P Global Ratings

BBB- / Stable

- Target FFO to Debt ≥ 20%[1]
- Target Debt to EBITDA ≤ 4x

MORNINGSTAR DBRS

BBB(low) / Stable

- Target cashflow to debt ≥ 20%
- Target EBITDA / Interest ≥ 4.5x

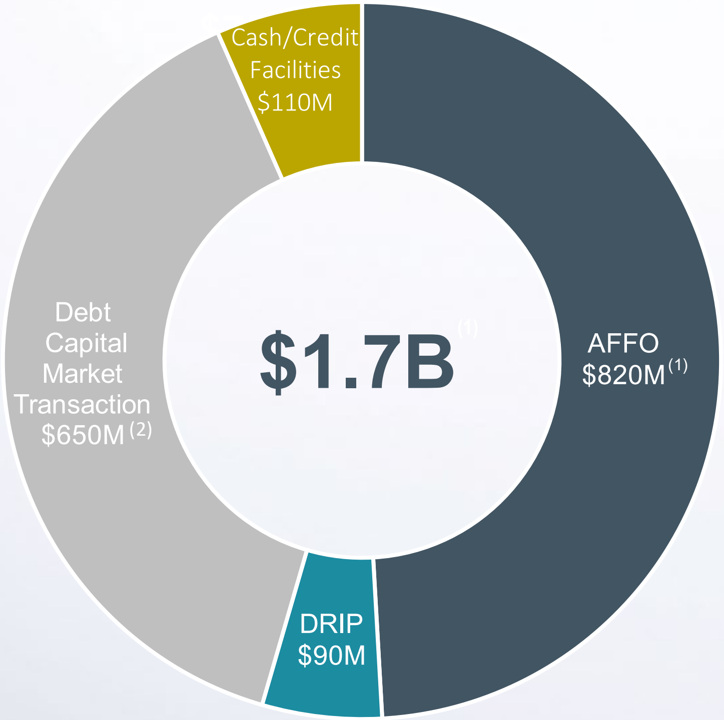
2024 credit metrics forecast to be onside with target thresholds

1. Based on S&P's three-year weighted-average.

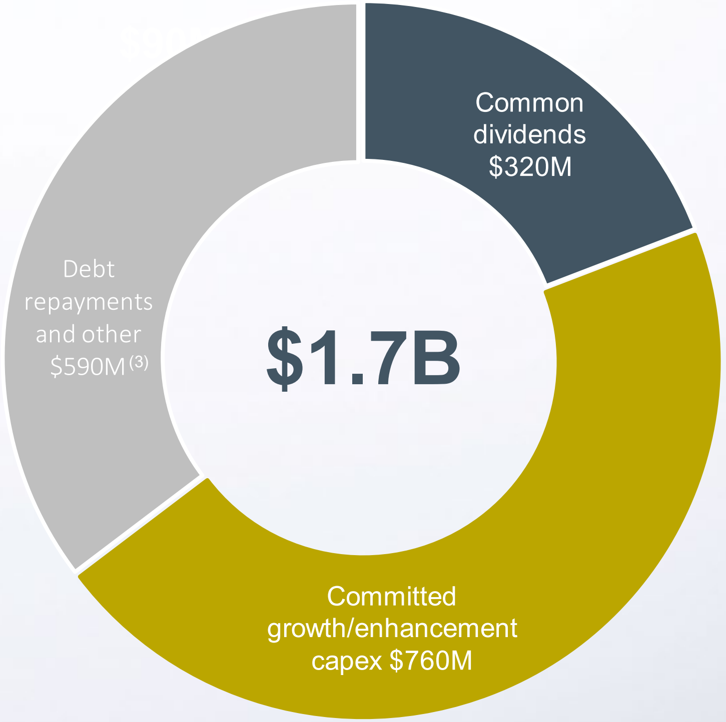
Cash Flow and Financing Outlook

Balanced finance plan to fund 2024 growth

Expected Sources



Expected Uses



1) AFFO is a non-GAAP financial measure. Midpoint of guidance range of $770M to $870M.
2) Includes $200M hybrid issuance as part of the La Paloma and Harquahala financing plan.
3) Includes principal payments on corporate debt, finance lease payables and equity accounted investments. Excludes debt repayments on tax equity investor.

Debt maturity profile[1]

Well spread-out debt maturities supported by long asset lives

- Strong liquidity with $1B in sustainability linked credit facilities maturing in 2028
- Underlying on refinancings in 2024 – 2026 hedged well below current rates

1) Debt amounts as of Dec 31, 2023. Schedule excludes non-recourse debt, credit facility debt, hybrid instruments and tax-equity financing.

Political and environmental regulations

Government of Canada

- Confirmed Alberta, Ontario and B.C. will continue to implement their own carbon pricing systems for industrial emitters through 2030 (Nov 2022)
- Budget 2023 significant funding and programs to support investment across zero/low-emitting technologies to advance clean electricity and net-zero goals (Mar 2023)
  - Canada Growth Fund (CGF) administered by PSP Investments with mandate for CCFDs
  - New priority focus for CIB on clean electricity, with objective of investing at least $10B in Clean Power priority area, and at least $10B in Green Infrastructure area
  - Differentiated ITCs1 - CCUS (50%, refundable), Clean Technology (30%, refundable), Clean Electricity (30%, refundable), Clean Hydrogen (15-40%, refundable).
- Launched Canada Electricity Advisory Council to provide Government with advice on actions needed to achieve 2035 and 2050 net-zero goals
- Gazette 1 Draft Clean Electricity Regulation (CER) issued Aug 2023. Comments received Nov 2/23, with Gazette 2 Final CER expected in 2024. Key elements of Draft CER include:
  - Physical performance standard of 0.03 t/MWh
  - New units (post-Jan 2025 COD) must comply by Jan 2035; Existing units (pre-Jan 2025 COD) must comply 20 years after their COD (“End of Prescribed Life – EOPL”)
  - Unabated units can operate post-2035/EOPL to max 450 hours or 150 kt/yr emissions
- 2023 Fall Economic Statement provided direction that CGF will allocate $7 billion of total $15 billion capital to issue all forms of CCFDs and offtake agreements (Nov 2023)

[1] Implementation legislation for CCUS and Clean Technology ITCs tabled November 2023

Political and environmental regulations

Alberta

- "Alberta's Emissions Reduction and Energy Development Plan" established 2050 carbon neutrality objective. Significant role for CCUS and other technologies in achieving emissions reductions while maintaining affordability and reliability (Apr 2023)
- Government of Alberta announced a temporary pause on Alberta Utilities Commission (AUC) approvals of new renewable projects, effective until Feb 2024, and directed AUC to hold inquiry on issues relating to land use, reclamation and system reliability. Inquiry underway, with report and recommendations to Minister due by Mar 29, 2024
- Alberta Electricity System Operator (AESO) directed by Minister of Affordability & Utilities to assess potential market enhancements and mechanisms to ensure a reliable and affordable supply mix for Albertans. AESO convened Executive Working Group process to inform recommendations to Minister, which are due Feb 1, 2024.
- GOA released Transmission Policy "green paper" initiating consultations on Alberta's transmission policy framework and potential revisions to address reliability, affordability and decarbonization objectives. Comments received Nov 30, 2023. Next steps TBD.
- GOA introduced "Alberta Carbon Capture Incentive Program" that will provide a 12% grant for new eligible CCUS capital costs. Additional details expected Spring 2024 (Nov 2023)
- GOA introduced resolution under the "Alberta Sovereignty Within a United Canada Act" outlining various measures it would consider as a last resort if final version of the Federal CER viewed as unworkable from Alberta's perspective and present risk to reliability and affordability. Measures include potential establishment of provincially-owned Crown utility. No further legislative action to advance resolution scheduled at this time (Nov 2023)

Political and environmental regulations

Ontario / British Columbia

- “Powering Ontario’s Growth” report sets out Ontario Government’s policy initiatives for long-term energy planning. Support for large-scale nuclear and SMRs, competitive procurement for renewables and storage, and recognition that natural gas generation needed until a like-for-like technology is available. (Jul 2023)
- Energy and Electrification Panel initiated consultations on Ontario net-zero pathways; recommendations expected end of 2023
- BC Hydro updated their Integrated Resource Plan highlighting increased loads and decreased supply leading to a need of an additional 3,000 GWh of new clean energy from greenfield facilities compared to their previous Plan from 2021. Process scheduled to be launched in spring 2024.

Political and environmental regulations

United States

- Treasury/IRS continues to release guidance on IRA tax credit implementation. US Department of the Treasury /IRS issued a Proposed Rule on Clean Hydrogen Tax Credits (Dec 2023); and a Proposed Rule on US Production of Renewable Energy Components (Dec 2023).
- EPA anticipates finalizing Clean Air Act emission limits and guidelines for CO2 from fossil fuel-fired power plants in Spring of 2024. Proposed standards based on technology compliance deploying CCUS, low-GHG hydrogen co-firing for covered existing natural gas facilities. (Dec 2023)
- State of Michigan enacts 100% Clean Energy bill requiring the portfolio of electric providers to be 80% clean by 2035 and 100% clean by 2040. Existing natural gas power plants owned by independent power producers have flexibility to achieve the standard through CCUS or other carbon removal technologies and applications; and must submit a carbon reduction plan by 2030 to the Michigan Public Service Commission. (Nov 2023)
- EPA issued the state of Louisiana oversight over permitting carbon sequestration wells within its borders, to encourage the development of CCUS technology. Louisiana is the third state to achieve “primacy” over permitting “Class VI” carbon sequestration wells after North Dakota and Wyoming. (Dec 2023)

Powering a sustainable future for people and planet

Corporate Profile[1] | Toronto Stock Exchange (TSX: CPX)

~118M
Shares outstanding[2]

~$4.5B
Market Cap[2]

~7,700MW
Owned generation

~6.5%
Dividend yield

- Trailing 12-month avg daily trading volume: 363K shares
- 52-week low/high share price: ($35.11 / $46.90)
- Investment grade credit rating: BBB-/stable (S&P) / BBB(low) / Stable (DBRS)

1) Data shown in table as of December 30, 2023
2) Excludes impact of 11 million of outstanding subscription receipts related to the La Paloma and Harquahala acquisitions

Legal Notices

Non-GAAP Financial Measures and Ratios

This presentation contains references to certain financial measures that do not have a standardized meaning prescribed by GAAP and may not be comparable to similar measures presented by other issuers and should not be considered in isolation or used in substitution for measures of performance prepared in accordance with GAAP. Non-GAAP measures referenced herein include adjusted funds from operations (AFFO) and earnings before net finance expense, income tax expense, depreciation and amortization, impairments, foreign exchange gains or losses, finance expense and depreciation expense from the Company's joint venture interests, gains or losses on disposals and unrealized changes in fair value of commodity derivatives and emission credits (Adjusted EBITDA). These terms are not defined financial measures according to GAAP and do not have standardized meanings prescribed by GAAP and, therefore, are unlikely to be comparable to similar measures used by other enterprises.

This presentation also makes reference to other non-GAAP performance measures and ratios, including AFFO per share (AFFOPS). AFFOPS is determined by applying AFFO to the weighted average number of common shares used in the calculation of basic and diluted earnings per share. Management uses this ratio to assess the performance of Capital Power.

These measures should not be considered alternatives to net cash flows from operating activities and net income, respectively, calculated in accordance with GAAP. Rather, these measures are provided to complement GAAP measures in the analysis of our results of operations from management's perspective.

For more information regarding non-GAAP financial measures used by the Company, including the composition of these measures, how management utilizes each non-GAAP financial measure and, where applicable, a reconciliation of the Company's historical non-GAAP financial measures to the most directly comparable measure calculated in accordance with GAAP for the applicable period then ended, please see "*Non-GAAP Financial Measures and Ratios*" in the Company's Management's Discussion and Analysis for the three and nine months ended September 30, 2023, and prepared as of November 1, 2023, which is available under the Company's profile on SEDAR+ at www.sedarplus.ca and on the Company's website at www.capitalpower.com.

A reconciliation of net cash flows from operating activities to AFFO resulting from the Acquisitions is as follows:

(unaudited, $ millions)[1]	2024E
Increase in net cash flows from operating activities resulting from the Acquisitions	130
Add items included in calculation of net cash flows from operating activities:	
Interest paid	57
Income taxes paid	37
Distributions received from joint venture	(26)
	198
Net finance expense	(58)
Current income tax expense	(37)
Changes in non-cash operating working capital	15
Sustaining capital expenditures	(22)
AFFO from joint venture	35
Increase in AFFO resulting from the Acquisitions	**131**

A reconciliation of Adjusted EBITDA to net income resulting from the Acquisitions is as follows:

(unaudited, $ millions)[1]	
Increase in adjusted EBITDA resulting from the Acquisitions [2,3]	285
Depreciation and amortization [3,4]	(87)
Net finance expense [3]	(74)
Income tax expense [3]	(34)
Increase in net income resulting from the Acquisitions	**90**

U.S. Non-Solicitation

This presentation is not an offer of securities for sale in the United States and is not an offer to sell or solicitation of an offer to buy any securities of the Company, nor shall it form the basis of, or be relied upon in connection with any contract for purchase or subscription. The securities of Capital Power being sold under the bought deal public offering will only be offered in the provinces and territories of Canada by means of the prospectus referred to above. Securities may not be offered or sold in the United States absent registration under the United States Securities Act of 1933, as amended (the "**U.S. Securities Act**") or an exemption from registration thereunder. The subscription receipts and the underlying common shares to be sold pursuant to the bought deal public offering have not been and will not be registered under the U.S. Securities Act or any state securities laws and, except pursuant to exemptions from the registration requirements of the U.S. Securities Act and applicable state securities laws, may not be offered or sold in the United States. Such securities are being offered only in the United States to "qualified institutional buyers" (as defined in and in reliance on Rule 144A under the U.S. Securities Act).

External, Market and Industry Data

Where this presentation quotes any market and industry data and other statistical information from any external source, it should not be interpreted that the Company has adopted or endorsed such information or statistics as being accurate. Although the Company believes these publications and reports to be reliable, it has not independently verified the data or other statistical information contained therein, nor has it ascertained the underlying economic or other assumptions relied upon by these sources, accordingly, no representation or warranty, express or implied, is made as to, and no reliance should be placed on, the fairness, accuracy, completeness or correctness of this information or any other information or opinions contained herein, for any purpose whatsoever. The Company has no intention and undertakes no obligation to update or revise any such information or data, whether as a result of new information, future events or otherwise, except as required by law.

As it relates to information provided by, or in respect of, the Frederickson, La Paloma or Harquahala facilities, Capital Power, after conducting due diligence that it believes to be a prudent and thorough level of investigation, believes it to be accurate in all material respects, an unavoidable level of risk remains regarding the accuracy and completeness of such information.

Documents and websites referenced herein are not incorporated by reference into this presentation, unless such incorporation by reference is explicit.

Exchange Rates

As of November 17, 2023, the last business day before the date of this presentation, the daily exchange rate as reported by the Bank of Canada for the conversion of U.S. dollars into Canadian dollars was US$1.00 = $1.3722 ($1.00 = US$0.7288).

1. 2024E items are all converted from USD to CAD using a 1.3240 FX rate, reflective of consensus estimates for 2024.
2. Adjusted EBITDA shown here is net of Acquisitions' transaction fees of $9 million. Adjusted EBITDA before Acquisitions' transaction fees is $294 million (or US$222 million), which underlies a 4.8x EV / adjusted EBITDA (2024) multiple.
3. Includes contribution from joint venture.
4. Depreciation and amortization is subject to change on finalization of purchase price allocation and closing adjustments.

Forward-looking information

Forward-looking information or statements included in this presentation are provided to inform our shareholders and potential investors about management's assessment of Capital Power's future plans and operations. This information may not be appropriate for other purposes. The forward-looking information in this presentation is generally identified by words such as will, anticipate, believe, plan, intend, target, and expect or similar words that suggest future outcomes.

Material forward-looking information in this presentation includes expectations regarding:

- our 2023 performance targets including for facility availability, sustaining capital expenditures, hedged position, adjusted funds from operations (AFFO) and adjusted EBITDA;
- our plans to transition off-coal, advancement of the Genesee Carbon Conversion Centre and commercial application of carbon conversion, capture and storage technologies;
- future revenues, expenses, earnings, adjusted EBITDA and AFFO;
- the future pricing of electricity and market fundamentals in existing and target markets;
- future dividend growth;
- the Company's future cash requirements including interest and principal repayments, capital expenditures, dividends and distributions;
- the Company's sources of funding, adequacy and availability of committed bank credit facilities and future borrowings;
- Expectations from DRIP activation;
- the timing of, funding of, generation capacity of, operational performance and financial returns of, costs of technologies selected for, environmental benefits or commercial and partnership arrangements regarding existing, planned and potential development projects and acquisitions (including phase 2 of Halkirk Wind, the repowering of Genesee 1 and 2 (including being hydrogen ready and carbon conversion ready)), the Genesee carbon capture and storage (CCS) project, the upgrade at Goreway and York Energy, Goreway Battery Energy Storage System (BESS), York Energy BESS, East Windsor expansion, and the Maple Leaf Solar project;
- future growth and emerging opportunities in our target markets;
- the impact of the IRA on our projects;
- potential opportunities and partnerships with Indigenous communities;
- facility availability and planned outages;
- capital expenditures for facility maintenance and other (sustaining capital, future growth projects, commercial initiatives);
- market and regulation designs and proposals and the impact thereof on the Company's core markets; and
- the impact of climate change.

These statements are based on certain assumptions and analyses made by Capital Power considering its experience and perception of historical and future trends, current conditions, expected future developments, and other factors it believes are appropriate including its review of purchased businesses and assets. The material factors and assumptions used to develop these forward-looking statements relate to:

- electricity and other energy and carbon prices;
- performance;
- business prospects (including potential re-contracting of facilities) and opportunities including expected growth and capital projects;
- status and impact of policy, legislation and regulations;
- effective tax rates;
- the development and performance of technology;
- foreign exchange rates; and
- other matters discussed under the Performance Overview, Outlook and Risks and Risk Management sections.

Whether actual results, performance or achievements will conform to our expectations and predictions is subject to several known and unknown risks and uncertainties which could cause actual results and experience to differ materially from our expectations. Such material risks and uncertainties are:

- changes in electricity, natural gas and carbon prices in markets in which we operate and the use of derivatives;
- regulatory and political environments including changes to environmental, climate, financial reporting, market structure and tax legislation;
- disruptions, or price volatility within the Company's supply chains;
- generation facility availability, wind capacity factor and performance including maintenance expenditures;
- ability to fund current and future capital and working capital needs;
- acquisitions and developments including timing and costs of regulatory approvals and construction;
- changes in the availability of fuel;
- ability to realize the anticipated benefits of acquisitions;
- limitations inherent in our review of acquired assets;
- changes in general economic and competitive conditions, including inflation;
- changes in the performance and cost of technologies and the development of new technologies, new energy efficient products, services and programs; and
- risks and uncertainties discussed under the Risks and Risk Management section.

See Risks and Risk Management in our 2022 Integrated Annual Report for further discussion of these and other risks. Readers are cautioned not to place undue reliance on any such forward-looking statements, which speak only as of the date made. Capital Power does not undertake or accept any obligation or undertaking to release publicly any updates or revisions to any forward-looking statements to reflect any change in our expectations or any change in events, conditions or circumstances on which any such statement is based, except as required by law.

Investor Relations

Kat Perron
Media & Investor Relations
1-780-392-5335
investor@capitalpower.com

capitalpower.com