# Powering the North American energy expansion

May 2025 | Investor Presentation





#### Capital Power at a Glance

Our Capitalization and Yield1

 $\sim$ \$14<sub>bn</sub>

**Enterprise** Value

Market Capitalization

Dividend yield

Our People and Facilities

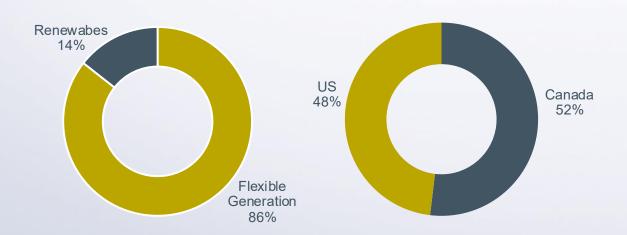
~725

**Employees** 

Corporate Offices

**Facilities** 

Our Portfolio: 10GW Capacity



Our Cash Flow and Risk Profile

~\$1.4<sub>bn</sub> BBB-

2025 A. EBITDA Guidance<sup>2</sup>

Credit Rating<sup>3</sup>

Weighted Average **Contract Life** 

- As of April 30, 2025.
- Mid-point of adjusted EBITDA guidance prior to revising guidance for Rolling Hills and Hummel
- 3. Investment Grade Credit Ratings S&P (BBB-) and DBRS BBB (low).

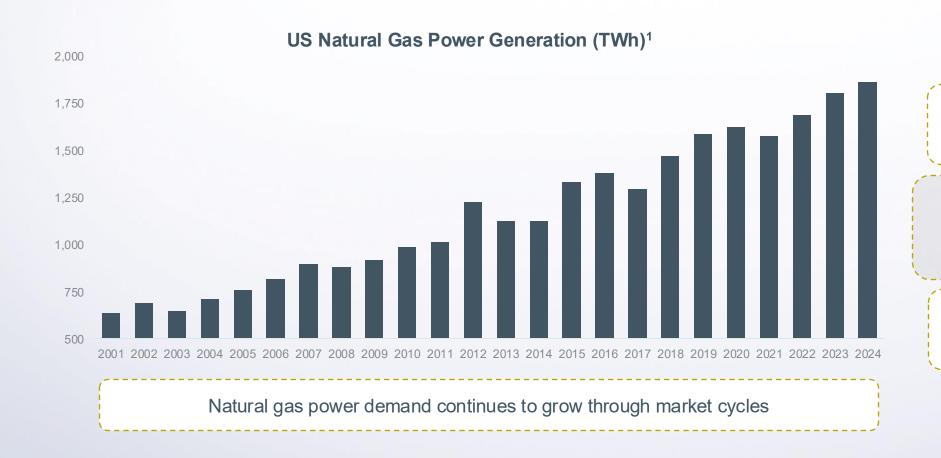


# Creating Balanced Energy Solutions



#### **Strong fundamentals**

Gas is critical to grid reliability



CAGR<sup>1,2</sup> U.S. Power - All Technologies ~0.5%

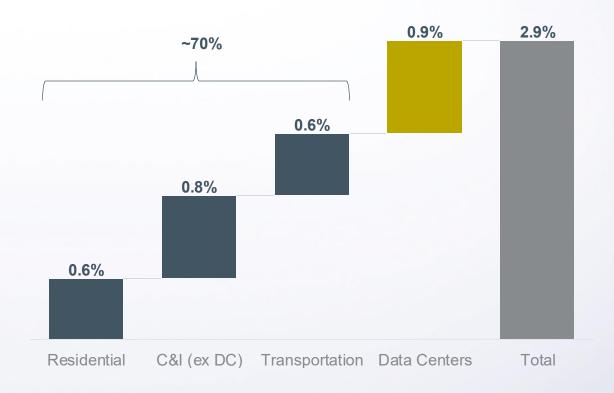
CAGR<sup>1,2</sup> U.S. Power - Natural Gas

~5.0%

U.S. GDP ~2.0%<sup>3</sup>

# Multiple sources of growth driving power demand

#### US Power Demand CAGR (%)<sup>(1)</sup>

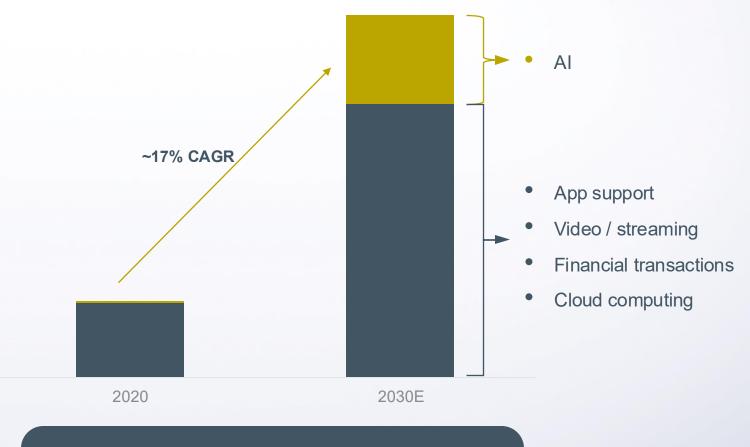


~70% of projected power demand growth is **not** from data centers



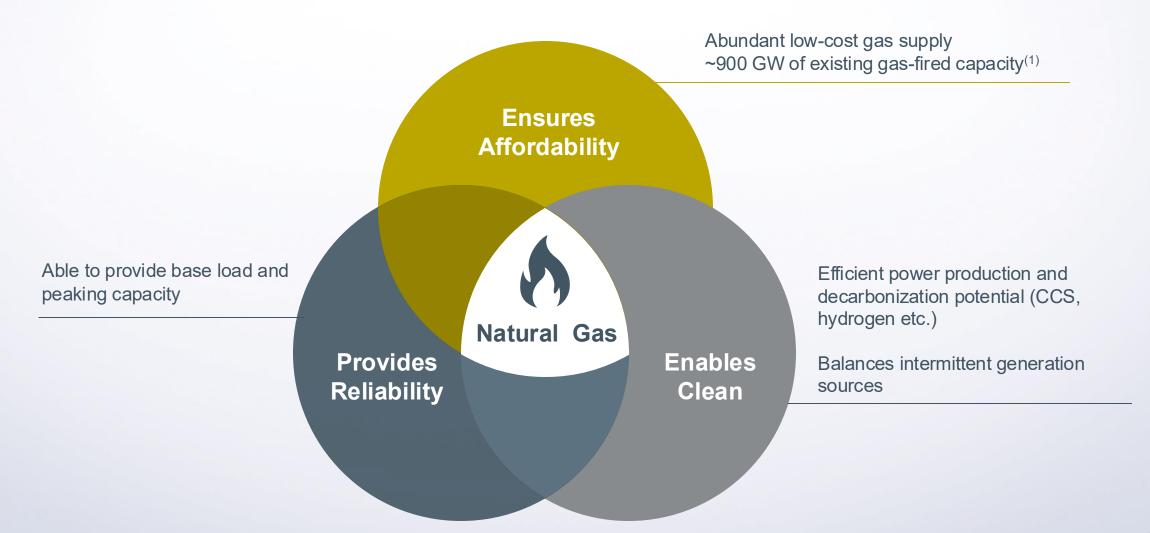
#### US Data Center Power Demand (TWh)<sup>(1)</sup>

Robust and multi-faceted data center power demand growth



Majority of projected data center power demand growth is not from Al

## Natural gas is critical to meeting growing electricity demand



# Strong power fundamentals favour existing natural gas generation



# Multi-faceted power demand growth

- C&I
- Residential
- Transportation
- Data centers



# Natural gas: fueling the future

- Reliable
- Affordable
- Clean



# **Existing natural** gas undervalued

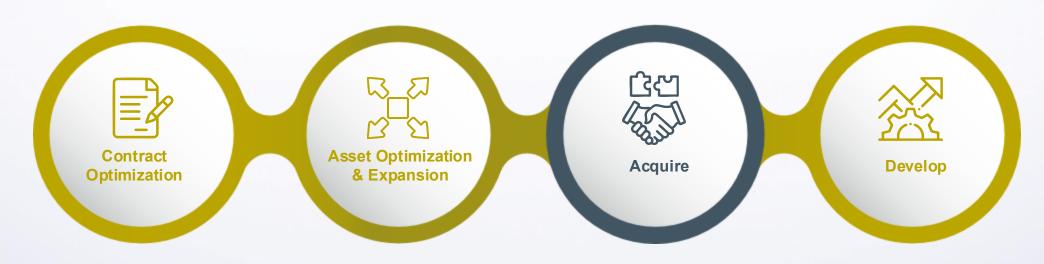
Compelling acquisition opportunity

CPX has multiple ways to win



#### **Execution of growth strategy enhances** shareholder value

#### Flexible Generation<sup>1</sup> and Renewables



**Targeted Annual Total Shareholder Return of 12-14%** 



# Acquire: ~\$3.0B acquisition of two natural gas-fired facilities in PJM



# Enhanced Scale

Positions Capital Power as one of five N.A. IPPs¹ with over 10GW of natural gas capacity²



#### PJM Market

Large and liquid market with multiple sources of demand growth



# High Quality Assets

Consistent with growth, expansion and optimization strategy



#### **Financial Merit**

Expected to be accretive and to preserve investment grade balance sheet

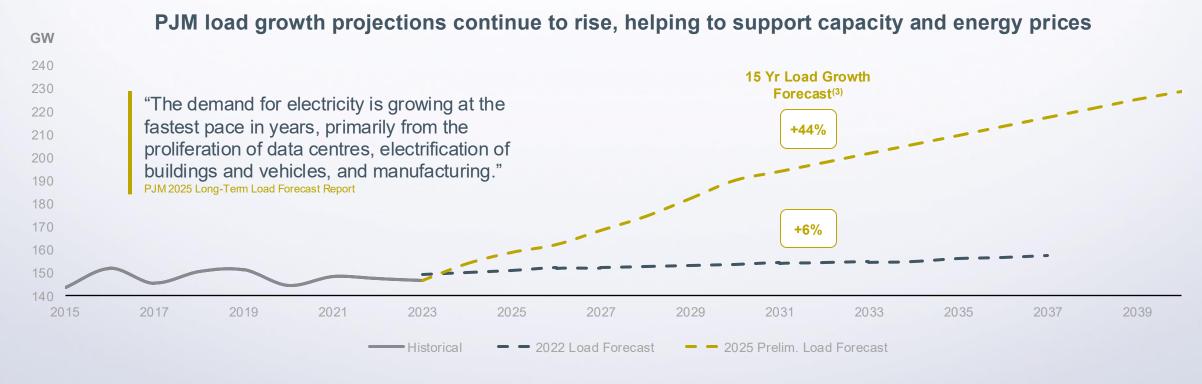


# Institutional Validation

Enhanced institutional partnership

## Acquire: Position of scale in a key power market

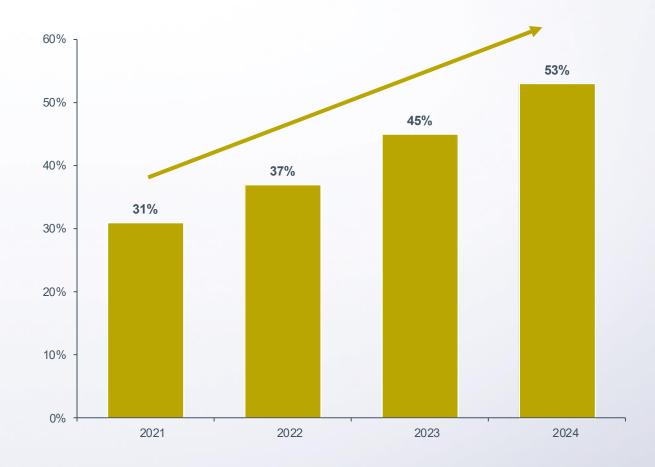




#### CPX U.S. flexible generation capacity factor<sup>1</sup>

# Contract Optimization: There is a strong case for re-contracting our existing flexible

generation assets



# Contract Optimization: Superior data center value proposition; speed to market with confidence



#### **Existing reliable generation**

14 flexible generation sites with ~7.8 GW of capacity



Top tier land position with expansion potential

~18,000 acres of developable land



**In-house operational capabilities**Dedicated and highly trained specialists



Stakeholder relations

Track record for constructive engagement



**Commercial and trading expertise** 

Thoughtful and creative approach; IG credit rating





Balanced energy solution for data centers



# Optimization & Expansion: Building fleetwide efficiencies through optimization and expansion

#### York<sup>(1)</sup> and Goreway Uprates

~60MW

Capacity Added ~\$14M

Annual EBITDA Benefit 3 & 6 year

Contract Extensions

#### **Decatur CT Uprate**

~90MW

Capacity Added ~\$8M

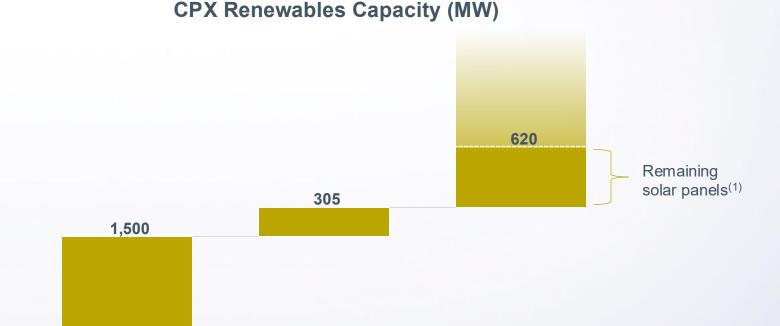
Annual EBITDA
Benefit

10 year

Contract Extension

## **Develop:**

Material renewables growth with future sell-down potential



Potential development

Renewable assets: 13 operating, 4 under construction

Under construction

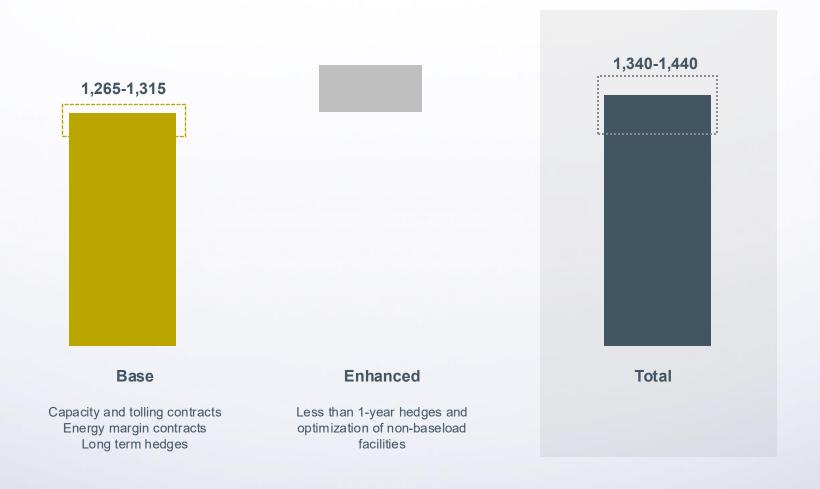
Operating renewables

#### Resilient amid uncertainty

Our business is largely insulated from tariffs



# Stable and contracted EBITDA with potential for growth (\$M)

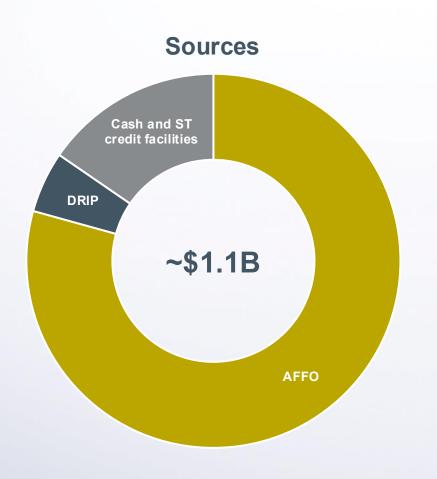


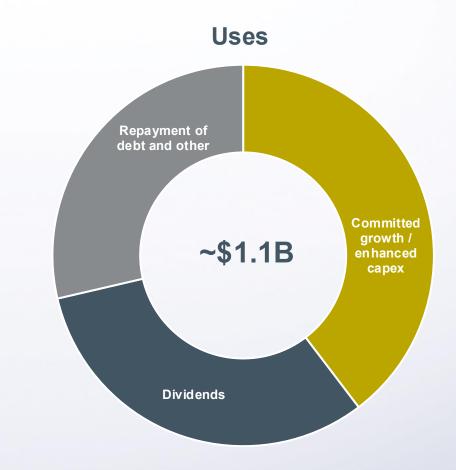
# 2025 Guidance summary \$M

Reaffirming 2025 guidance ranges



# Strong Liquidity | Ready to Grow





#### **CPX Investment Thesis**

- Strong fundamentals favour existing gas generation capacity
- Large, diversified existing generation footprint
- Unparallel in-house operational and commercial expertise
- Proven ability to acquire and optimize thermal generation assets
- Contracted cash flow provides **stability** and low-cost capital

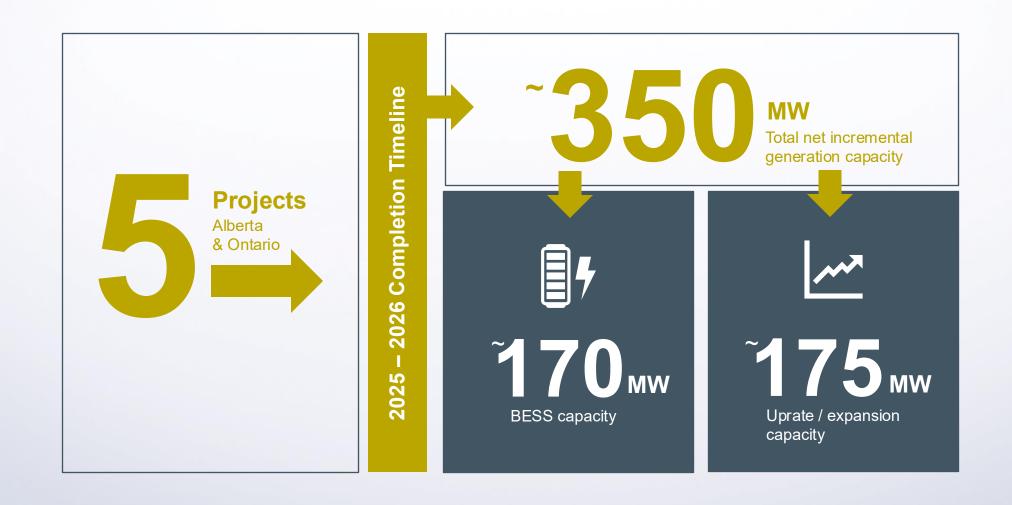




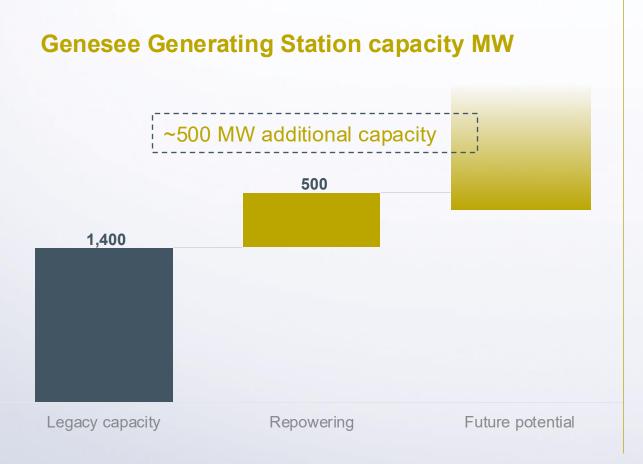
# Appendix

#### **Flexible Generation**

#### **Project Portfolio Update**



# Genesee off-coal | Repowering complete



#### Repowering positions CPX to succeed







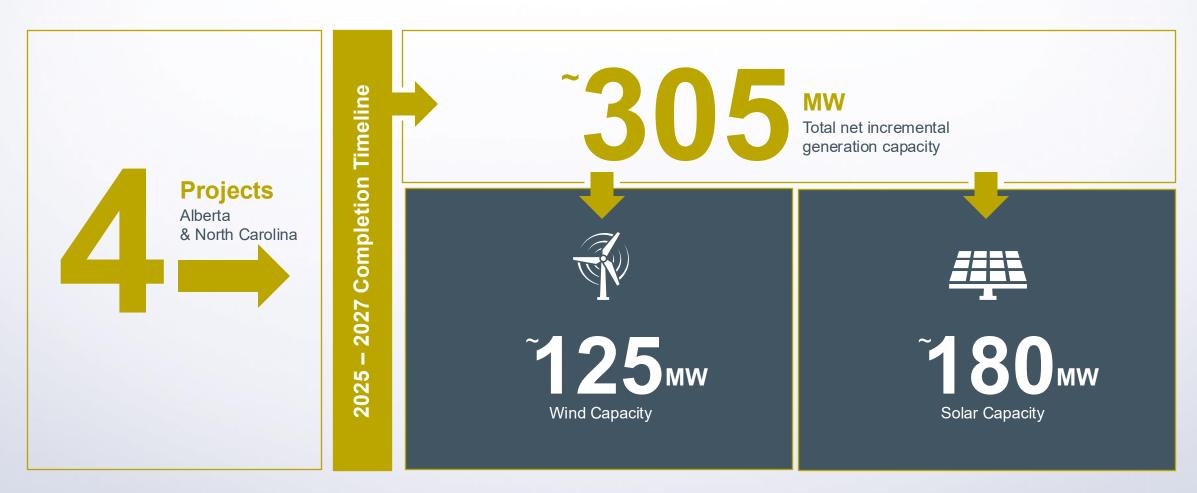
asset life





#### Renewables

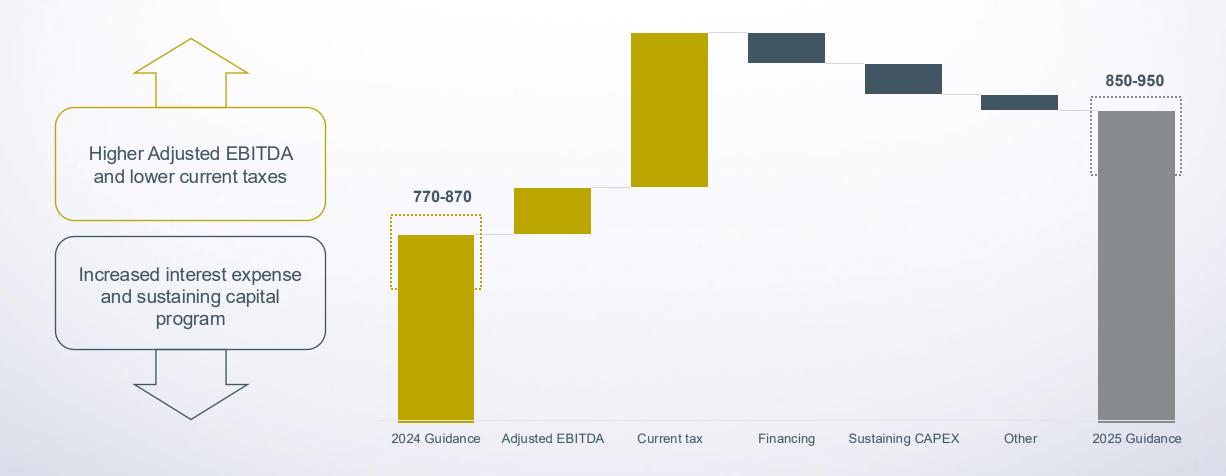
#### **Project Portfolio Update**



# Year over year adjusted EBITDA reconciliation (\$M)



# Year over year AFFO reconciliation (\$M)



We are committed to growing our dividend per share, as we invest in growth

5-Year historical dividend growth

Historical

#### ~7% growth CAGR

Average payout ratio: 36%<sup>1</sup>

ar-term

**Continued dividend growth** 

6% growth to 2025

Target payout ratio: 45-55%

ong-term

2-4% growth beyond 2025

Target payout ratio: 30-50%

## **Hummel Generating Station**

1,124 MW | Pennsylvania | 100% CPX ownership

#### Large, new & efficient power generation in PJM MAAC

#### Contribution to market and customer reliability

- High historical capacity factor (~80%1), potential to increase over time
- Low heat rate (6.8 mmbtu/MWh)

#### **Strategically Positioned**

- Demand growth driving attractive capacity pricing
  - 663 data centres are located within 200 miles<sup>2</sup>
- Advantaged access to fuel with allower cost
  - Leidy gas cheapest gas point in PJM along with Dominion South
- Plant scale driving O&M savings

#### **Expansion and optimization opportunities**

Plans to increase capacity; 30 MW uprate in 2026/2027

Consistent with growth, expansion and optimization strategy

Compelling long-term contract potential



**Rolling Hills Generating Station** 

1,023 MW | Ohio | 100% CPX ownership

Combustion turbine peaking facility in PJM RTO

Contribution to market and customer reliability

- Flexible peaker, fast ramping capability
- Elevated capacity factors given increasing PJM demand profiles

#### **Strategically Positioned**

- Demand growth (including data centres) driving attractive capacity pricing
  - 244 data centres are located within 200 miles<sup>1</sup>
- Advantaged access to fuel with lower cost
  - TETCO hub which prices at a discount compared to Henry Hub and other PJM gas hubs
  - Plant scale driving O&M savings

#### **Expansion and optimization opportunities**

- Excess acreage, expansion opportunities with opportunity to repower
- Co-location potential



Consistent with growth, expansion and optimization strategy



Data centre potential



# **CPX 2025 Guidance Summary:**

#### **Revised reporting structure**

	Net Capacity (GW)	Proportion of total net capacity	Generation (TWh)	Capacity Factor	Availability
U.S. Flexible Generation	4.0	41%	17	48%	90%
Canada Flexible Generation	4.2	43%	16	47% <sup>1</sup>	92%
U.S. Renewables	0.6	6%	2	43%	97%
Canada Renewables²	0.8	9%	3	36%	97%
Total	9.6	100%	38		

Guidance Forwards (Sept '24)	2025	2026	2027
AESO	\$51	\$52	\$57

#### 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 consists of forward-looking statements including, but not limited to, statements regarding:

- our priorities and long-term strategies, including our corporate, and decarbonization strategies;
- our 2025 performance targets, including facility availability, sustaining capital expenditures, AFFO and
- adjusted EBITDA;
- future revenues, expenses, earnings, adjusted EBITDA and AFFO;
- the future pricing of electricity and market fundamentals in existing and target markets;
- our future cash requirements including interest and principal repayments, capital expenditures, dividends and distributions:
- our projected 2025 and long-term targeted dividend growth;
- our expected 2025 common share and preferred share dividend dates;
- our sources of funding, adequacy and availability of committed bank credit facilities and future borrowings;
- various aspects around existing, planned and potential development projects and acquisitions (including Halkirk 2 Wind, the repowering of Genesee Generating Station Units 1 and 2, the upgrades at Goreway and York Energy, Goreway BESS, York Energy BESS, East Windsor expansion, Maple Leaf Solar, Bear Branch Solar and Homet Solar), including expectations around timing, funding, project and acquisition costs, generation capacity, costs of technologies selected, environmental and sustainability benefits, and commercial and partnership arrangements;
- the financial impacts of the La Paloma and Harquahala acquisitions;
- the anticipated timing for completing the operational integration of the La Paloma acquisition;
- our 2025 estimated capital expenditures for previously announced growth projects;
- future development opportunities arising from the completion of the Genesee Generating Station project;
- our expectation around changes to the U.S. Clean Air Act and the resulting impact to Capital Power's decarbonization obligations in connection with future expansions to our thermal fleet;
- the targeted timeline for capital allocation that includes prioritizing the advancement of SMR and CCS technologies, and data centre co-location opportunities;
- the targeted timeline for completing the feasibility study of SMR in Alberta;
- our commitment to allocating growth capital towards low-carbon solutions;
- the ability to provide power for the growing build-out of data centres in North America including at our Genesee Generating Station site;
- the anticipated growth in North American data centre electricity consumption and total U.S. power demand;
- the ability to capitalize on our 2025 growth plans including contracting existing assets, expansion and optimization
  of our fleet, acquisition of incremental U.S. flexible generation capacity, and developments of renewables;
- the targeted average annual total shareholder return;
- the ability of profit-sharing arrangements to support partner communities;
- the anticipated impacts of the organizational review and anticipated benefits of the organizational review;
- the performance of future projects and the performance of such projects in comparison to the market;
- future growth and emerging opportunities in our target markets;
- the future energy needs of certain jurisdictions;
- anticipated resolution of dispute with contractor regarding construction work on the Genesee Repowering project;
- anticipated litigation in respect of Environmental Protection Agency (EPA) rules and plans and the outcome thereof;
- market and regulation designs and regulatory and legislative proposals and changes, regulatory updates and the impact thereof on the Company's core markets and business;

- the impact of climate change, including our assumptions relating to our identification of future risks and
  opportunities from climate change, our plans to mitigate transition and physical climate risks, and opportunities
  resulting from those risks; and
- the eligibility of certain projects for the Clean Technology ITC.

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;
- electricity and other energy (including natural gas) 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 2025 performance targets section.

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 our 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 and recession;
- 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 2024 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.





