

### **Investor Day 2020** Accelerating a low carbon future

December 3, 2020



RESPONSIBLE ENERGY FOR TOMORROW

### Forward-looking Information Cautionary statement

Certain information in today's presentations and in responses to questions contains forward-looking information. Actual results could differ materially from conclusions, forecasts or projections in the forward-looking information, and certain material factors or assumptions were applied in drawing conclusions or making forecasts or projections as reflected in the forward-looking information.

Please refer to the forward-looking information slides at the end of the presentation and in our disclosure documents filed with securities regulators on SEDAR, which contain additional information about the material factors and risks that could cause actual results to differ materially from the conclusions, forecasts or projections in the forward-looking information and the material factors or assumptions that were applied in drawing a conclusion or making a forecast or projection as reflected in the forward-looking information.

The forward-looking information contained in today's presentations is provided for the purpose of providing information about management's current expectations and plans relating to the future. Such information may not be appropriate for other purposes.

### **Executive Leadership Team**



### Brian Vaasjo

President and Chief Executive Officer

### Sandra Haskins

SVP, Finance SV and Chief Financial St Officer Re St

Kate Chisholm

SVP, Planning, Stakeholder Relations and Chief Sustainability Officer

### Bryan DeNeve

SVP, Business Development and Commercial Services Chris Kopecky

SVP, Chief Legal Officer

### Jacquie Pylypiuk SVP, People, Cult

SVP, People, Culture and Technology

### Darcy Trufyn

SVP, Operations, Engineering and Construction

### Agenda

Introduction Randy Mah / Director, Investor Relations

### Accelerating a low carbon future Brian Vaasjo / President & CEO

Advancing a low carbon future Kate Chisholm / SVP, Planning, Stakeholder Relations & Chief Sustainability Officer

Maximizing asset value Darcy Trufyn / SVP, Operations, Engineering & Construction

### **BREAK (5 minutes)**

**Delivering growth** Bryan DeNeve / SVP, Business Development & Commercial Services

**Shareholder value in a low carbon future** Sandra Haskins / SVP, Finance & CFO

**2021 Corporate priorities** Brian Vaasjo / President & CEO

### Q&A

# Accelerating a low-carbon future

- Resiliency
- Optimization
- Innovation

Brian Vaasjo President & CEO

# Accelerating our strategy to a low carbon future

- Capital Power has been following a strategy towards a low carbon future.
- We set a target to be net carbon neutral by 2050 and we have a path to get there.
- With today's announcement we are accelerating to that low carbon future.
- The resiliency of our strategy and our drive to innovate and optimize has enabled this acceleration.
- We'll continue delivering total shareholder value of 10 to 12%.





# **Resiliency and innovation through COVID-19**

### Priority is keeping our employees and families healthy

### **Operations**

- Comprehensive health and safety protocols at plants successful
- Managed 7 major planned outages successfully

### Corporate

- Ongoing remote work arrangements
- No change in efficiency or effectiveness

### Post COVID-19

• Learnings will significantly enhance and transform the future of how we work

# Strategic path to a low-carbon future

### Off-coal in 2023

- Retirement of Roxboro and Southport power plants in 2021
- Genesee site 100% natural gas in 2023

### Accelerated growth in renewables

• 7 development projects totaling 420 MW; 100 MW Buckthorn Wind acquisition

### Natural gas critical to net carbon neutral transition

- Reliable, affordable, flexible power
- Carbon conversion and hydrogen technology enhance natural gas resiliency



# Genesee repowering delivers long term value

Project exceeds hurdle rates and contributes in the order of \$0.70 AFFO per share





# Accelerated renewables growth

- 75 MW Enchant Solar project
- 40.5 MW capacity of Strathmore Solar contracted for 25 years
- 2 wind and 5 solar projects
- 4 solar projects under long term contracts



Competitiveness of wind through innovation has translated to solar





## Natural gas critical to transition to carbon neutral

### Natural gas resiliency

- Lower cost dispatchable energy required for grid support
- Select markets require significant natural gas beyond 2050
- Carbon conversion and hydrogen technologies support longevity
  - Increased investment in C2CNT to 25%, moving to 40%
  - Genesee Carbon Conversion Centre moving forward

### **Operational excellence and optimization**

- Decatur Energy Center
  - Additional 90 MW by 2021
  - Improved heat rate
  - Contract extended to 2032
- Advanced pattern recognition

Ops 2030 to deliver additional \$50 million of EBITDA



# **Financial**

### 2020 at or better than targets set last December

### **2021 relatively flat**

- Strong power price offset Genesee off contract, carbon tax increase and North Carolina retirements
- Dividend guidance for 2021 and 2022 unchanged

### **Strategic growth**

- Current 2021 capital spend on development
- 2021 target of \$500 million
- Continue disciplined growth
- General market dynamics good

# Responsible energy for generations to come

### Integrating ESG into our strategy

### **Embedding ESG factors in our decision-making**

### **Advancing Social and Governance initiatives**

- Board and Executive diversity
- Indigenous employment opportunities
- Equal by 30



# Advancing a low carbon future

Strong performance in "E", "S" and "G"

- Articulating our path to net carbon neutral before 2050
- 25% of Executive compensation based on ESG performance

### Kate Chisholm

Senior Vice President, Planning, Stakeholder Relations and Chief Sustainability Officer

# Natural Gas: necessary long-term role in power

- **Sustainable** enables the penetration of more renewables
- Flexible dispatchable when you need it (availability >90%); offline when you don't
- Power Dense can provide
  80 MW/acre
- **Decarbonizable** with carbon conversion and hydrogen
- Affordable keeping costs of decarbonization lower for consumers



"The Emerging Value of CCUS For Utilities", August 2020

# **Capital Power major carbon capture initiatives**







# CO<sub>2</sub>

# Pathway to net carbon neutral



Renewables with storage



Deploying carbon conversion and hydrogen blending at thermal facilities



Limited offsets used

Total Generation





18 🤇



# Genesee off coal in 2023 – 6 years early 50% carbon reduction by 2030 from repowering

### Genesee Emissions

kT CO<sub>2</sub>e

Total facility emissions with two units repowered

### Nearly 6M tonnes per year system-wide carbon reduction





# 65% GHG emissions intensity reduction across the fleet by 2030

### Total Fleet Emissions Intensity Targets Progress on achieving 65% reduction from 2005 levels





# **Accelerating ESG initiatives**

**Environmental** 



**Social** 

- Net carbon neutral before 2050
- Genesee repowering
- Renewables development
- Natural gas with carbon conversion and/or hydrogen
- A- CDP climate change score
- Sustainable sourcing roadmap on track to roll out in 2021
- Water strategy on track to roll out in 2021

- Optimal workplace of the future to reflect key learnings and benefits from COVID-19
- Increased community investment funding in 2021; building off robust and generous response to COVID-19 relief efforts
- Indigenous training, employment and economic opportunities at Canadian wind facilities through new Vestas agreement
- Transitional support for employees at Roxboro, Southport, Genesee
- Committed to Equal by 30 supporting gender equity in our industry

### Governance



- 25% of Executive short-term incentive pay linked to meeting ESG targets
- 44% of Board and 43% of Executive female versus 30% target
- Executive short-term incentive linked to presentation of diverse candidates for corporate and plant positions
- 2021 review to identify and minimize institutional bias in policies, procedures and results
- World's Most Ethical Companies award 2 years running - only utility and 1 of 3 Canadian companies

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# On track to meet our sustainability targets

- Achieve net carbon neutral by 2050
- Construct all new natural gas generation units to be carbon capture and/or hydrogen-ready
- ✓ Reduce  $CO_2$  emissions at Genesee by 50% by 2030 from 2005 levels
- Reduce CO<sub>2</sub> emissions by 10% and our emission intensity by 65%, in 2030 from 2005 levels
- Invest in carbon capture and utilization technology to help us achieve net carbon neutrality before 2050 and eventually physically decarbonize our natural gas fleet (ongoing)
- Complete the Genesee Carbon Conversion Centre by Q4 2021
- Enhanced sustainable sourcing plan (2021)
- Enhanced water management plan (2021)



# Maximizing asset value

Operational excellence and resiliency

- Optimization and innovation
- Building a low carbon future

### **Darcy Trufyn**

Senior Vice President, Operations, Engineering and Construction



Under construction and in Advanced Development







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# Sustained excellence and resiliency in operations

### **Fleet performance**

- Strong 2020 availability: 94% forecast versus target of 93%
- Target 2021 availability at 93%
- Fleet availability has averaged 95% since 2014

### **Asset Improvement**

- Decatur hybrid rotor #2 installed, improving heat rate and adding 30 MW
- 3rd evaporation pond built at Arlington increasing plant capacity factor capability to 70%
- Main incoming gas line at Genesee completed increasing overall current gas capability and providing 100% of all gas needs for future repowering
- Major control system (DCS) improvements at Decatur, Arlington and Corporate plus numerous cyber security enhancements
- Numerous operational improvements at renewables facilities
- Remote operations of all simple cycle facilities



# Sustained excellence and resiliency in operations

### **Company COVID response**

- Implemented pandemic plan in March including protocols and PPE requirements
- Essential plant staff routines/schedules altered, and non-essential staff work remote
- Evolved COVID philosophy to a sustainable state

### **Plant COVID response**

- Completed required sustaining capital and maintenance work
- Completed planned outages at 7 thermal facilities and at 9 renewables facility
- Initially deferred non-essential maintenance and construction work
- Advanced remote operations capability at all simple cycle facilities established
- Genesee outages deferred because of large staffing requirements and excellent unit condition

To date: no COVID related impact to operations at any plant and no transmission of infection at any facility



- Total cost \$997 million
- 2 X 680 MW = 1,360 MW (net)
- No power interruption with staged construction
- Heat rate at 6600 6700 kj/kWh; most efficient combined cycle plant in Canada
- Utilizes latest MHI J AC Class technology
- Includes upgraded steam turbines
- 30% hydrogen ready at COD; upgradable to 95% post COD at minimal cost
- Includes provisions for future carbon capture
- ~ 900 people years of construction work with a peak forecast of ~ 500 people
- Dual-fuel upgrades no longer required on G1 and G2



**Optimizing project cost through existing equipment and infrastructure** 



**Optimizing project cost through existing equipment and infrastructure** 



**Optimizing project cost through existing equipment and infrastructure** 

Existing G1/2 Powerhouse



and the set

# **Genesee repowering schedule**



- Following gas conversion and repowering projects, physical CO<sub>2</sub> emissions at the Genesee facility will be approximately 3.4M tonnes per year lower than 2019 emission levels
- Ongoing support provided for the Genesee community and employees as Genesee transitions to a natural gas facility
- Outages for G1 and G2 optimized to reflect repowering/off coal
- Outage for G3 includes fuel conversion to natural gas



# Building a low carbon future with renewables growth

Project	Capacity	Location	Construction Cost	Expected COD
Whitla Wind Phase 2	97 MW	Medicine Hat, Alberta	\$165M	Q4 2021
Whitla Wind Phase 3	54 MW	Medicine Hat, Alberta	\$92M	Q4 2021
Strathmore Solar	40.5 MW	Strathmore, Alberta	\$53M*	Early 2022
Enchant Solar	75 MW	Taber, Alberta	\$95M*	Q4 2022
Bear Branch Solar	35 MW	Stokes County, North Carolina	\$60M	Q4 2022
Hornet Solar	75 MW	Gaston and Lincoln Counties, North Carolina	\$118M	Q4 2022
Hunter's Cover Solar	50 MW	Rutherford County, North Carolina	\$82M	Q4 2022
Total New Generation		426.5 MW	Total Cost	\$665M

\*Represents mid-point of construction cost range

### **Building a low-carbon future**

Wind development: evolved from a commodity product to technological solution

In-house construction and engineering expertise provides competitive advantage and facilitates continuous improvement

Whitla 2 and 3 incorporate and further improve on the strategies used in Whitla 1

Wind asset optimization: Renewables Operations Center, 9 new favorable long term service agreements, blade repair, wind capture improvements, etc.



Solar development: 2020 development breakthrough as we move to technological solutions for solar

# Ops 2030 generates \$50M in annual EBITDA by 2030

Creating the sustainable plant of the future through technology and innovation

### Continuous Improvement

- Wind turbine upgrades
- Start-up optimization software
- Fleetwide DCS upgrades
- Energy storage

#### Data Analytics

- Deployment of Historian with enhanced capabilities
- Advanced Pattern
  Recognition
- Implement machine learning technology to enhance system security
- Optimizing plant performance

#### **Automation**

- Mobility in operator rounds
- Worker protection system automation
- Power BI for reporting

#### **Digital Tools**

- 3D printing and scanning
- Acoustic leak
  detection
- Expanded use of drones and development of internal program and expertise
- Continuous monitoring of generator health
- Remote borescope capability deployment

### Flexible and Remote Operation

- Simple cycle remote capability
- Renewables Monitoring and Diagnostics Centre
- Remote digital worker





# **Highlights**

- Sustained operational excellence through challenging conditions
- Leveraging existing infrastructure and equipment to optimize Genesee repowering
- Significant renewables growth and expanding our technology mix
- Innovation and optimization continues through Ops 2030

### Capital Power is building a low carbon future!
# **Delivering growth**

- Transparent path to 10-12% total shareholder return
- Target markets support \$500M annual capital investment
- Growth strategy aligns with our sustainability goals

#### **Bryan DeNeve**

Senior Vice President, Business Development and Commercial Services

## Accelerating our technology strategy

<sup>1</sup> As the technologies become economically feasible, emissions will be reduced or eliminated via CCUS or an increasing percentage of hydrogen blending.

<sup>2</sup> Storage includes physical storage such as pumped hydro as well as battery storage.



## Growing our business to net carbon neutral



# Dynamic pipeline supports resilient and responsible growth



#### Solar

8 sites Potential: 360 MW Committed: 276 MW Total: 636 MW

#### Wind

9 sites Potential: 1,129 MW Committed: 151 MW Total: 1,280 MW

#### Storage

3 sites Potential: TBD

#### Gas

6 sites Potential: 1,700 MW

# U.S. on pace for 23 GW of wind installations in 2020 smashing previous record by 10 GW



#### **Growth Drivers:**

- Decline in cost
- Increased efficiency
- Demand from corporates
- Government policies
- Storage

Success in solar more than doubles our growth opportunities

# ESG priorities drive surging corporate demand for renewables



#### **100% renewable power targets**

**Before 2020:** Apple, Google, Lego Group, Microsoft, Starbucks, TD Bank, VISA

**By 2020:** Etsy, Facebook, Goldman Sachs, JPMorgan Chase, Mastercard

By 2021: Lululemon athletica

By 2022: Morgan Stanley, Salesforce

By 2025: Amazon, Nike, TELUS, eBay, Johnson & Johnson, RBC

#### Announced corporate PPAs\*

#### Increasingly ambitious ESG targets

## **Growth in U.S. renewables**

Increasing carbon free generation to reach net carbon neutral before 2050



Cardinal Point Wind

150 MW
12 Year Power Contract for 85% of generation
15 Year REC Contract



Buckthorn Wind

100.5 MW 15 Year weighted average remaining contract life



Bear Branch Solar

35 MW 20 Year Contract Q4 2022 COD



Hornet Solar

75 MW 20 Year Contract Q4 2022 COD



Hunter's Cove Solar

50 MW 20 Year Contract Q4 2022 COD

## **Growth in Alberta renewables**

Increasing carbon free generation to reach net carbon neutral before 2050



Whitla 2 Wind

97 MW Contracting available Q4 2021 COD



Whitla 3 Wind

54 MW Contracting Available Q4 2021 COD



Strathmore Solar

40.5 MW 25 Year Contract Q1 2022 COD



Enchant Solar

75 MW Contracting Available Q4 2022 COD



## Securing long term PPAs delivers stable cash flows

#### Strathmore

- Long Term 25-year PPA
- 40.5 MW, 100% output
- Bundled energy and environmental attributes
- Investment grade counterparty
- Shows that we maintain our competitive advantage in Alberta

#### **Duke Offtake**

- Long Term 20-year PPA
- 160 MW, 100% output
- Bundled energy and environmental attributes
- Investment grade counterparty
- Shows that we are competitive in the US



But we aren't done. Expect more contracts to come.

## Gas generation vital for reliability and flexibility

#### **Growth Drivers:**

- Coal & nuclear retirements
- Renewables proliferation
- Low gas prices

### Value of incumbent assets:

- High barrier to entry
- Strategic placement
- Optimization potential



## **Repowering Genesee delivers long term value**

Hydrogen utilization Carbon conversion ready

Resiliency to carbon policy 20%+ levered returns

## More competitive after repowering

Estimated variable cost merit order in 2025



## Repowered Genesee most competitive new gas

**Repowering is a game-changing investment** 



1) Circle sizes based on facility capacities.

2) Statistics from company websites and press releases



Potential to extend Genesee life beyond repowering and advance our 2050 net carbon neutral goal

## Sustainable advantages of the Genesee Site

## Bulk electrical transmission

Proximity to industrial heartland

Trunkline and caverns for storage

Hydrogen ready

60

Potential to create hydrogen onsite

Carbon conversion ready

Human capital for ingenuity

## **Genesee Carbon Conversion Centre**

#### World's largest carbon nanotube production facility





## **Optimizing Decatur: upgrades and re-contracting add value**

Mid-life contracted gas assets acquisition strategy validated

- 10-year tolling agreement extension to 2032
- 2 of 3 combustion turbine (CT) upgrades completed adding 60 MW of capacity
- Third CT to be upgraded in 2021 adding 30 MW of capacity
- Immediate payments for 30 MW of additional capacity
- Payments for further 79 MW to be part of updated interconnection agreement expected 2021

## Markets outlook

## **US SW**

- Strong load growth
- Coal retirements
- New-build gas moratorium
- Renewables buildout
- High potential for recontracting

## ERCOT

- Healthy load growth
- Strong renewables buildout

#### Ontario

- Load recovering
- Fully contracted portfolio
- High value for location and flexibility
- Supply shortfall in medium term
  - Electrification
  - Expiring contracts
  - Nuclear refurbishment/retirements

## US SE

- Recontracting & capacity additions proves our thesis
- Gas capacity factors remain healthy as coal retires
- No wind resource
- Starting to see solar built

## **US Midwest**

- Coal to gas in MISO
- Strong wind build out in MISO and SPP



## Alberta power market – COVID and crude oil impact



- Based on actual 30-day rolling averages, largest year-overyear (yoy) decline in power demand was ~7.2% due to COVID-19 pandemic and low crude oil prices
- Demand started to recover in June as the economy re-opened closing the gap to ~2% yoy decline in October
- Demand yoy increase by 1.7% as of November 19

## **Portfolio optimization** Actual and forecasted Alberta power prices









## **Diversification, Resiliency and Sustainability**



# Shareholder value in a low carbon future

- Deploying capital to grow renewables portfolio
- Repowering Genesee provides shareholder value from environmental benefits and extended economic life
- Extending economic life of natural gas assets through technical innovation to generate long-term cash flows
- Targeting 10-12% total shareholder return over the long term

## Sandra Haskins

Senior Vice President, Finance and Chief Financial Officer

## **Delivering shareholder value**

#### **Creating shareholder value from resiliency in assets and extension of life**

- Maintenance and improvements to assets
- Operational excellence keeps costs low and reduces risk
- Creating sources of revenues by expanding opportunities in low carbon future

#### **Competitive positioning in the Alberta power market**

• Repowering two Genesee units that will be the most efficient natural gas units in Alberta, extending economic life and mitigating carbon tax

#### Solid track record of growth

- Currently have 7 development projects underway totaling ~\$665M
- Four of the 7 projects have already secured long-term contracts
- Projects will contribute to earnings beyond 2021

#### Delivering average annual total shareholder return of ~12% since IPO in 2009

## **Overview of financial strategy**

Fund growth towards low carbon future	<ul> <li>Fund growth in a cost-effective manner</li> <li>Access various sources of capital and seek innovative ways to fund growth</li> </ul>
Maintain investment grade credit rating	<ul> <li>Maintain competitive cost of capital</li> <li>Ensure access to capital markets through business cycles</li> <li>Provides stability to the dividend</li> </ul>
Deliver annual dividend growth	<ul> <li>Provide dividend stability through contracted cash flow profile</li> <li>Annual dividend growth within long term AFFO payout ratio target of 45% to 55%</li> </ul>
Manage financing risk	<ul> <li>Properly laddered debt maturities</li> <li>Effective management of interest rate, foreign exchange and counterparty risk</li> </ul>

## **Capital allocation balance**



- Balanced focus between dividend growth and growth opportunities
- Growth focused on a lowercarbon fleet
- Allocating capital strategically to develop, commercialize and implement technologies to support sustainability targets
- Share buybacks and debt repayment are considered during periods of limited growth opportunities

#### Efficient capital allocation creating shareholder value

## History of stable dividend growth



#### Long-term AFFO payout ratio target of 45-55%

Subject to market conditions, economic outlook, cash flow forecast, and Board approval at the time.
 2013 to 2020 annualized dividend based on year-end quarterly common shares dividend declared.
 Dividend payout ratio based on dividends declared per year as a percentage of AFFO per share.

## **5-year growth in key financial metrics**



#### 5-year growth supported by average growth capex of \$750M<sup>(3)</sup> per annum

Normalized for Milner line loss accrual and non-recurring 2019 Arlington toll payment.
 Normalized for non-recurring 2019 Arlington toll and payment of Milner line loss.
 Includes gross capex on Tax Equity Investor projects.

## **AFFO for 2021** Resilient AFFO absorbing carbon tax increase and asset retirements



## Cash flow and financing outlook Positive cash position and credit facilities to fund growth projects in 2021

Sources	(\$M)
FFO <sup>(1)</sup> + off-coal compensation	\$650
Capital markets/debt refinancing/ asset recycling	\$510
DRIP reinvestment	\$70
	\$1,230
Uses	
Committed growth/enhancement capex	\$740
Dividends <sup>(3)</sup>	\$300
Debt repayments <sup>(2)</sup>	\$430
Sustaining & maintenance capex	\$85
	\$1,555
Change in cash position	(\$325)

1) Funds from operations (FFO) is a non-GAAP financial measure.

2) Includes principal payments on finance lease payables but excludes debt repayments to tax equity investor and equity accounted investment.

3) Includes preferred and common dividends and preferred dividend tax.

## **Capital program**



## **Financial benefits from Genesee repowering**

- Genesee 1& 2 repowered units will be most efficient natural gas combined cycle units in Alberta that solidifies its position in the merit curve
- 0.35 intensity eliminates our exposure to carbon tax under the current policy
- ~\$140M net increase in Adjusted EBITDA for the Alberta portfolio in first full year of operations relative to dual-fuel strategy

## Managing Alberta carbon exposure



#### Low-cost offsets and transition to gas protect and enhance asset value

## **EBITDA growth from renewable projects**

#### Annualized EBITDA of ~\$70M



**Total committed capital \$665M** (\$165M in 2019, \$500M in 2020)



Average annualized EBITDA ~\$70M and AFFO of ~\$55M after completion in late 2021 and 2022

Full-year financial contributions starting in 2023 from growth capex in 2021-22

## **Portfolio optimization** AB commercial portfolio positions

(All data as of Nov 27/20)	2021	2022	2023
% sold forward <sup>(1)</sup>	21%	25%	17%
Contracted prices <sup>(2)</sup> (\$/MWh)	High-\$50	Mid-\$50	Low-\$50
Forward prices (\$/MWh)	\$59	\$57	\$54
EBITDA sensitivity to a \$5/MWh change in spot prices <sup>(3)</sup> (\$M)	\$52	\$50	\$58

Strong track record of value creation and managing merchant risk exposure from portfolio optimization

2) 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.

<sup>1)</sup> Based on the Alberta baseload plants plus a portion of Joffre and the uncontracted portion of Shepard.

<sup>3)</sup> Includes both baseload and non baseload positions.

## Financial stability and strength Strong balance sheet and commitment to investment grade credit ratings

Agency	Ratings	Outlook	
S&P	BBB- / P-3	Stable	
DBRS	BBB(low) / Pfd-3 (low)	Stable	

- Both credit rating agencies affirmed our investment grade credit ratings and stable outlook
- Strong liquidity from cash flow from operations and \$1B of committed credit facilities to 2024
- Forecast metrics are within rating agency expectations for the current ratings with stable outlook

1) Cash flow and adjusted EBITDA amounts include off-coal compensation.

3) 2020T means 2020 target. 2021F means 2021 forecast.

#### S&P financial metrics





#### **DBRS** financial metrics





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<sup>2)</sup> Based on S&P's weighted average ratings methodology.



## Key takeaways

- Significant deployment of capital on renewables and Genesee repowering
  - Total spend of ~\$665M for 7 renewables development projects that begin commercial operations in late 2021 to 2022
- Reduced/eliminated carbon tax risk by being off-coal
- Securing strong position in Alberta power market with repowering of Genesee that provides both environmental and shareholder benefits
- Maintain strong balance sheet to support investment grade credit rating and access to capital markets
- Dividend growth guidance unchanged at 7% in 2021 and 5% for 2022

## **2021 Corporate Priorities**

A responsible, future-focused and attractive investment

Brian Vaasjo President & CEO
## 2021 annual operational and financial targets

	2020 Target	2021 Target
Facility availability	93%	93%
Sustaining capex (\$M)	\$90 to \$100	\$80 to \$90
Adjusted EBITDA (\$M)	\$935 to \$985	\$975 to \$1,025
AFFO (\$M)	\$500 to \$550	\$500 to \$550 <sup>(1)</sup>

# Growth targets from development and construction projects

- Repowering proceeds on-time and on-budget
- Continue developing renewable projects on-time and on-budget
- \$500 million committed capital for growth

	Budget (\$M)	Target COD
Whitla Wind 2 (AB)	\$165	Q4/21
Whitla Wind 3 (AB)	\$92	Q4/21
Strathmore Solar (AB)	\$53*	Early 2022
Enchant Solar (AB)	\$95*	Q4/22
Hornet Solar (North Carolina)	\$118	Q4/22
Hunter's Cove Solar (North Carolina)	\$82	Q4/22
Bear Branch Solar (North Carolina)	\$60	Q4/22

## Why invest in Capital Power?

# Resilient strategy drives growth and accelerates net carbon neutral before 2050

#### Success in renewables from innovation and optimization

- Success in solar more than doubles our growth opportunities
- Duke and Strathmore contracts affirm competitiveness

#### Genesee repowering capitalizes on strong Alberta market and in-house innovation

- Most efficient NGCC in Canada
- Significantly reduced carbon footprint and risk
- Carbon conversion ready and hydrogen achievable

#### **Operational excellence and innovation remain fundamental**

- \$50 million EBITDA from Ops 2030
- Genesee Carbon Conversion Centre
- Storage and hydrogen investigation

#### **ESG** is integral to our DNA

We create value through resiliency, optimization and innovation

## **Non-GAAP** financial measures

The Company uses (i) earnings before net finance expense, income tax expense, depreciation and amortization, impairments, foreign exchange gains or losses, finance expense and depreciation expense from joint venture interests, gains or losses on disposals and unrealized changes in fair value of commodity derivatives and emission credits (adjusted EBITDA), (ii) adjusted funds from operations (AFFO), and (iii) adjusted funds from operations per share as financial performance measures.

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

Additional disclosure around the Company's non-GAAP financial measures, including reconciliations of these non-GAAP financial measures to their nearest GAAP financial measures are disclosed in the Company's Management's Discussion and Analysis prepared each quarter, most recently prepared as of October 30, 2020 for the third quarter of 2020, which is available under the Company's profile on SEDAR at SEDAR.com and on the Company's website at capitalpower.com.

### **Forward-looking information**

Forward-looking information or statements included in the presentation are provided to inform the Company's 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 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 includes disclosures regarding: (i) timing, expected capital costs, project returns (including expected AFFO per share), and environmental benefits (including the expected reduction in emission levels) of the Genesee repowering project, (ii) timing of completion of Strathmore Solar, (iii) timing, expected capital costs, and financial performance (including expected AFFO and adjusted EBITDA impacts) of Enchant Solar, (iv) expected completion date of the Genesee Carbon Conversion Centre, and (v) targets for 2021 including operational, growth and financial targets.

These statements are based on certain assumptions and analyses made by the Company in light of its experience and perception of historical 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: (i) electricity, other energy and carbon prices, (ii) operating and asset development performance, (iii) business prospects (including potential re-contracting opportunities) and opportunities including expected growth and capital projects, (iv) status of and impact of policy, legislation and regulations, (v) effective tax rates and (vi) foreign exchange rates.

Whether actual results, performance or achievements will conform to the Company's expectations and predictions is subject to a number of known and unknown risks and uncertainties which could cause actual results and experience to differ materially from the Company's expectations. Such material risks and uncertainties are: (i) changes in electricity prices in markets in which the Company operates, (ii) changes in energy commodity market prices and use of derivatives, (iii) regulatory and political environments including changes to environmental, financial reporting, market structure and tax legislation, (iv) generation facility availability, wind capacity factor and performance including maintenance expenditures, (v) ability to fund current and future capital and working capital needs, (vi) timing and costs of regulatory approvals and construction in relation to development projects, (vii) changes in market prices and availability of fuel, and (viii) changes in general economic and competitive conditions. See Risks and Risk Management in the Company's Management's Discussion and Analysis for both the nine months ended September 30, 2020, prepared as of October 30, 2020 and for the year ended December 31, 2019, prepared as of February 21, 2020, 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 specified approval date. The Company 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 the Company's expectations or any change in events, conditions or circumstances on which any such statement is based, except as required by law.



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