

Forward Looking Statements



This written presentation, together with the accompanying oral presentation, contains certain forward-looking statements concerning the business and operations of Northland Power Inc. ("Northland") that constitute forward-looking information within the meaning of Canadian securities laws. Such forward-looking statements are provided for the purpose of presenting information about management's current expectations and plans. Readers are cautioned that such statements may not be appropriate for other purposes. Northland's actual results could differ materially from those expressed in, or implied by, these forward-looking statements and, accordingly, the events anticipated by the forward-looking statements may or may not transpire or occur. The forward-looking statements contained in this presentation are, unless otherwise indicated, stated as of the date hereof and are based on assumptions that were considered reasonable as of the date hereof. Other than as specifically required by law, Northland undertakes no obligation to update any forward-looking statements to reflect events or circumstances after such date or to reflect the occurrence of unanticipated events, whether as a result of new information, future events or results, or otherwise.

Forward-looking statements include statements that are not historical facts and are predictive in nature, depend upon or refer to future events or conditions, or include words such as "expects", "anticipates", "projects", "forecasts" or negative versions thereof and other similar expressions or future or conditional verbs such as "may", "will", "should", and "could". These statements may include, without limitation, statements regarding future Adjusted EBITDA and Free Cash Flow, including respective per share amounts; dividend payments and dividend payout ratios; the timing for and attainment of the Hai Long and Baltic Power offshore wind and Oneida energy storage projects' anticipated contributions to Adjusted EBITDA, Free Cash Flow and compound annual growth rate ("CAGR"), including receptor of any pre-construction revenues associated with such projects; the expected generating capacity and output of certain projects; potential for future production from project pipelines; targeted markets for deepening presence or expansion opportunities; potential growth-oriented acquisitions; cost and output of development projects; construction costs; the all-in interest cost for debt financing; the completion of construction, acquisitions, dispositions, whether partial or full, investments or financings and the timing thereof; the timing for and attainment of financial close, commercial operations and other significant milestones for each project; the impact of currency and interest rate hedges, future funding requirements; and the future operations, business, financial condition, financial results, priorities, ongoing objectives (including ESG-related objectives and targets), strategies and outlook (including all 5-year and 10-year outlook targets) of Northland, its subsidiaries and joint ventures. These statements are based upon certain material factors or assumptions that were applied in developing the forward-looking statements, including the design specifications of development projects, the provisions of contracts

Although these forward-looking statements are based upon management's current reasonable expectations and assumptions, they are subject to numerous risks and uncertainties. Some of the factors that could cause results or events to differ from current expectations include, but are not limited to, risks associated with sales contracts, the emergence of widespread health emergencies or pandemics, Northland's reliance on the performance of its offshore wind facilities at Gemini, Nordsee One and Deutsche Bucht for over 50% of its Adjusted EBITDA, counterparty and joint venture risks, contractual operating performance, variability of sales from generating facilities powered by intermittent renewable resources, wind and solar resource risk, unplanned outage or maintenance risk, offshore wind concentration, natural gas and power market risks, commodity price risks, operational risks, recovery of utility operating costs, Northland's ability to resolve issues/delays with the relevant regulatory and/or government authorities, permitting, construction risks, integration and acquisition risks, project development risks, integration and acquisition risks, procurement and supply chain risks, disposition and joint-venture risks, competition risks, interest rate and refinancing risks, liquidity risk, inflation risks, commodity availability and cost risk, construction material cost risks, impacts of regional or global conflicts, credit rating risk, currency fluctuation risk, variability of cash flow and potential impact on dividends, taxation, natural events, environmental risks, climate change, health and worker safety risks, including investigations related thereto, market compliance risk, government regulations and policy risks, utility rate regulation risks, international activities, cybersecurity, data protection and reliance on information technology, labor relations, labor shortage risk, management transition risk geopolitical risk in and around the regions Northland's management's discussion and analysis (MD&A) for the y

Certain forward-looking statements in this presentation, including, but not limited to our projected Adjusted EBITDA and Free Cash Flow also constitute a "financial outlook" within the meaning of applicable Canadian securities laws. Financial outlook involves statements about Northland's prospective financial performance, financial position or cash flows and is based on and subject to the assumptions about future economic conditions and courses of action and the risk factors described above in respect of forward-looking information generally, as well as any other specific assumptions and risk factors in relation to such financial outlook noted in this presentation. Such assumptions are based on management's assessment of the relevant information currently available, and any financial outlook included in this presentation is provided for the purpose of helping readers understand Northland's current expectations and plans for the future. Readers are cautioned that reliance on any financial outlook may not be appropriate for other purposes or in other circumstances and that the risk factors described above, or other factors may cause actual results to differ materially from any financial outlook. The actual results of Northland's operations will likely vary from the amounts set forth in any financial outlook and such variances may be material.

All figures are presented in Canadian dollars unless otherwise indicated. Unless otherwise indicated, the statistical and financial data in this presentation is presented as of September 30, 2025.

Non-IFRS Financial Measures

This written presentation, together with the accompanying oral presentation, includes references to the Northland's adjusted earnings before interest, income taxes, depreciation and amortization ("Adjusted EBITDA"), Free Cash Flow and applicable payout ratios and per share amounts, which are measures not prescribed by International Financial Reporting Standards ("IFRS"), and therefore do not have any standardized meaning under IFRS and may not be comparable to similar measures presented by other companies. Non-IFRS financial measures are presented at Northland's share of underlying operations. These measures should not be considered alternatives to net income (loss), cash flow from operating activities or other measures of financial performance calculated in accordance with IFRS. Rather, these measures are provided to complement IFRS measures in the analysis of Northland's results of operations from management's perspective. Management believes that Northland's non-IFRS financial measures and applicable payout ratio and per share amounts are widely accepted and understood financial indicators used by investors and securities analysts to assess the performance of a company, including its ability to generate cash through operations.

Readers should refer to the disclosure under "Non-IFRS Financial Measures" in Sections 1, 4.5 and 4.6 of Northland's management's discussion and analysis dated November 12, 2025, which sections are incorporated by reference herein, for an explanation of key non-IFRS measures, and for a reconciliation of consolidated net income (loss) under IFRS to reported Adjusted EBITDA, and a reconciliation of cash provided by operating activities under IFRS to reported Free Cash Flow.



Land acknowledgement

We acknowledge the land we are meeting on is the traditional territory of many nations including the Mississaugas of the Credit, the Anishnabeg, the Chippewa, the Haudenosaunee and the Wendat peoples and is now home to many diverse people. We also acknowledge that Toronto is covered by Treaty 13 with the Mississaugas of the Credit.







Agenda

- Event and venue info
 - Forward looking statements
 - Land acknowledgement
 - Safety moment
- **2** Welcome
- **3** Chair of the Board remarks
- 4 Strategy and growth
- **5** Project management and delivery
- **6** Americas overview
- 7 International overview
- **8** Finance overview
- **9** Closing remarks





Welcome

Christine Healy
President & CEO



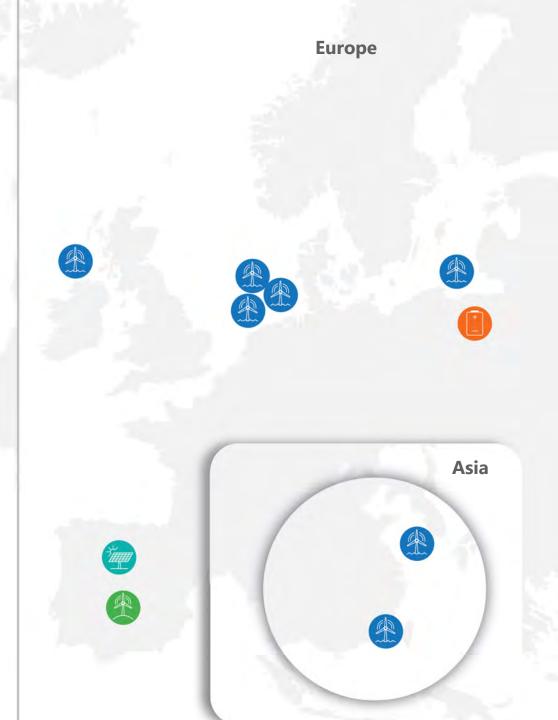


Americas



We generate and store electricity globally

Multi-technology solutions for a sustainable future





Sustainability leadership and performance

Zero

Material environmental incidents¹

ents¹ Reduction in carbon intensity from 2019,^{1,2}

30%

+2.7Mt

Avoided emissions^{1,2}



Enhanced strategic position since 2024

- New leadership including CEO, CFO, and Board Chair
- Completed 250 MW/1,000 MWh Oneida Energy Storage facility ahead of schedule and under budget
- Advanced three projects under construction totaling 2.2 GW
- Focused on high-grading project pipeline in select core markets







Adjusted dividend to maintain financial flexibility and enable growth

- Focus on balance sheet resilience & flexibility
- Provide capital for growth
- Reduce reliance on market cycles to raise capital





Mieczysławów and Kamionka

Late-stage (pre-construction) battery storage

- Location: Poland, Europe
- Capacity: 300 MW / 1,200 MWh



Collisard

Mid-stage natural gas

• Location: Alberta, Canada

• Capacity: 120 MW



Multiple value enhancement projects

Identified multiple opportunities







Ian PearceChair, Board of Directors



Globally seasoned, industry proven

Board of Directors



Ian PearceBoard Chair



Doyle Beneby
Director



Sébastien Clerc Director



Lisa Colnett
Director



Kevin Glass
Director



Keith Halbert
Director



Christine HealyDirector, President & CEO



Helen Mallovy HicksDirector



Eckhardt Ruemmler
Director



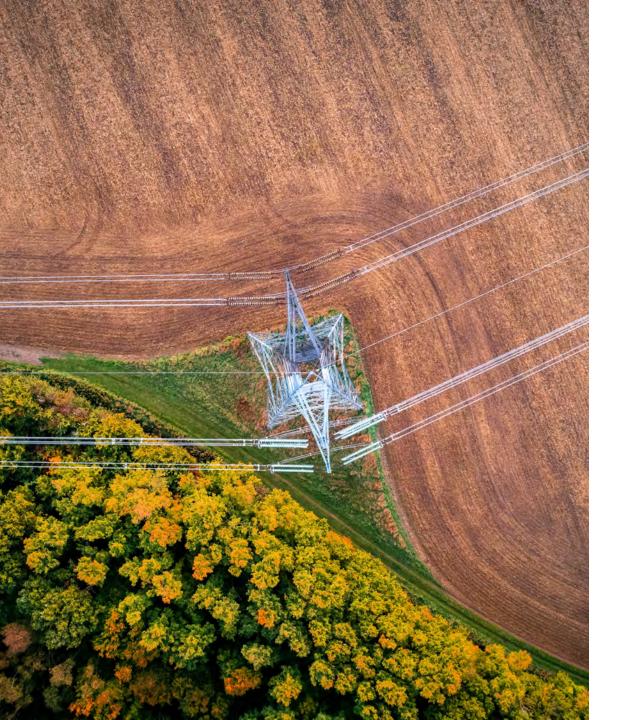
Ellen Smith
Director



Strategy & growth

Christine Healy
President & CEO





Strong fundamentals for the power sector

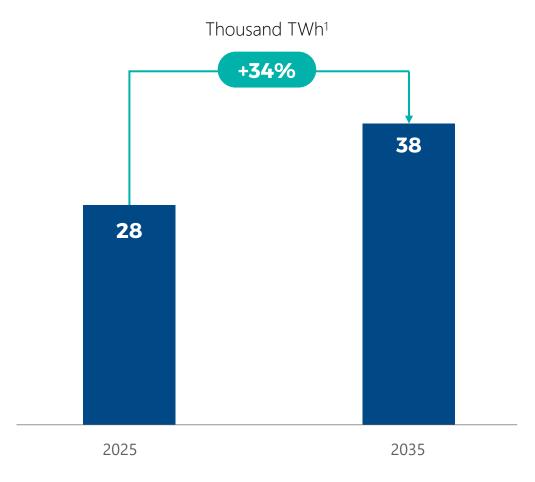








Growing global electricity demand







7 GW

expected to double gross operating capacity^{1, 2}

1.4 - 1.8 GW new gross capacity growth²

2030 Outlook Targets

~\$5.8-6.6B+

5 year expected total gross investment³

> 12%+ project returns⁴

\$50M

annual cost savings by 2028

- 1. Double from current (2025) gross operating capacity of 3.5 GW.
- 7GW target growth by 2030 assumes 1.4-1.8 GW of new growth
 - + 2.2 GW construction projects

- 3. Five year (2026-2030) expected total gross investment. Includes projects with COD post 2030. See growth funding slide for more details.
- 4. Equity levered after tax returns
- 5. See Non-IFRS financial measures

\$1.55 to \$1.75

expected free cash flow per share⁵



Driving shareholder value

~10%

target total shareholder returns

Grow

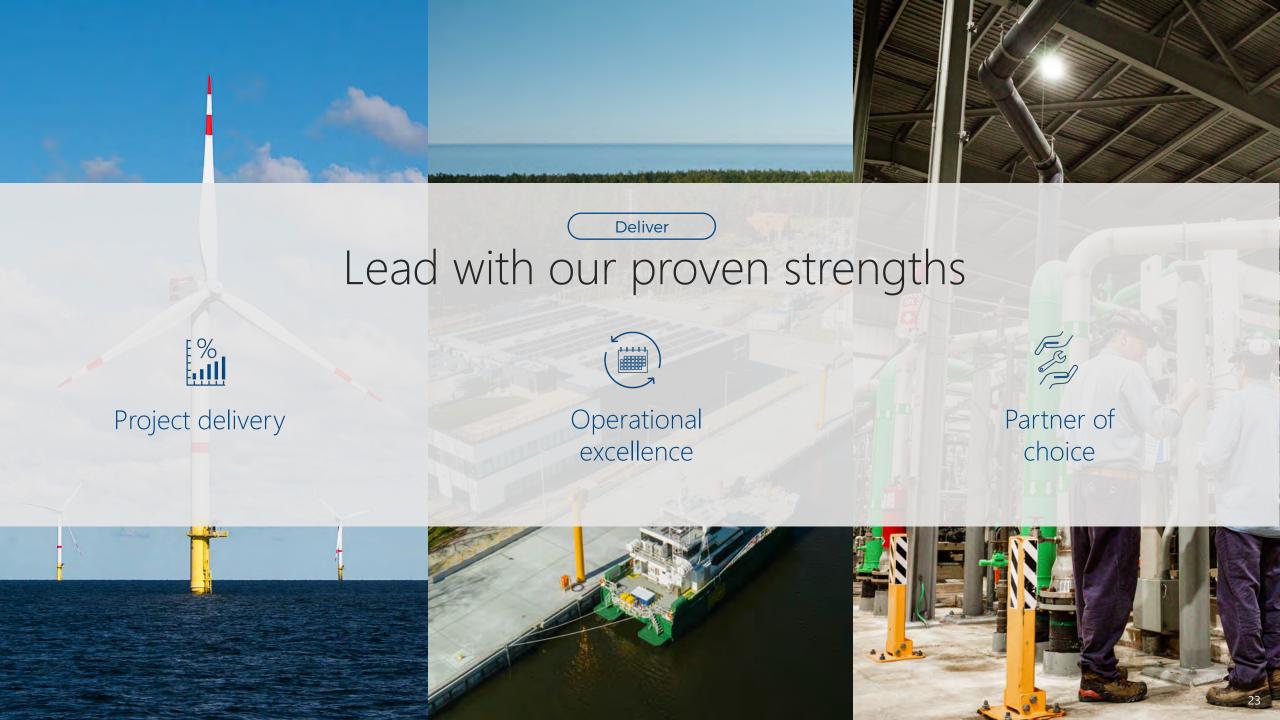
- Deepen in core markets
- High-grade project pipeline
- Enhance value across the fleet

Strengthen

- Focus organization
- Reinforce capital discipline
- Improve cost performance

Deliver

- Operate with excellence
- Deliver on projects in construction
- Be the partner of choice



Deliver



Strengthen

Streamline operations and focus spend

Optimize organizational design

Focus devex

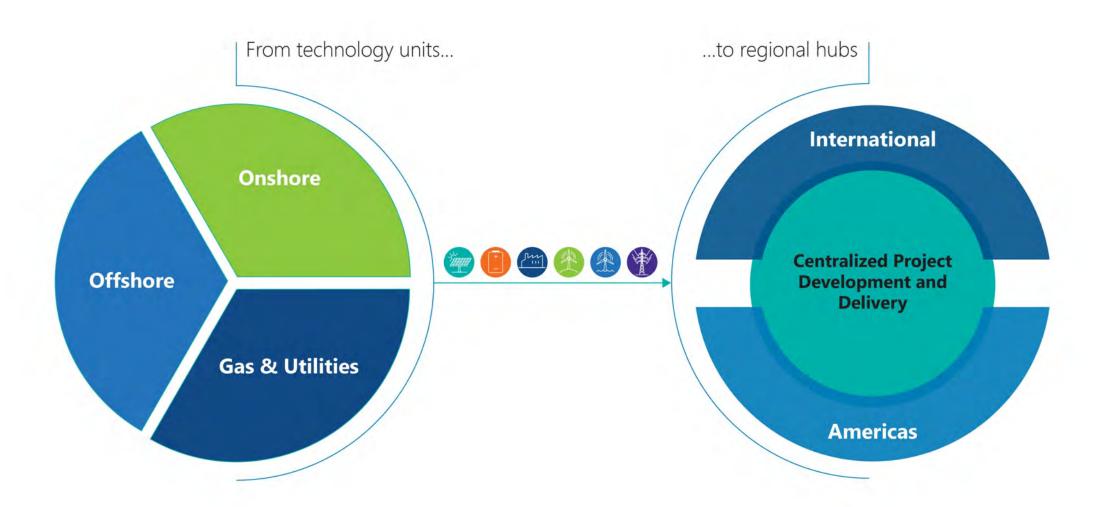
Improve opex

\$50M annual savings target by 2028



Strengthen

Optimize organizational structure to unlock value







Strong leadership driving our next chapter



Christine Healy
President & CEO



Jeff HartChief Financial Officer



Pierre-Emmanuel Frot EVP, Safety, Projects and Development



Jaime Hurtado Cola General Counsel



Calvin MacCormack EVP, Americas



Rachel Stephenson Chief People Officer



Toby EdmondsEVP, International

Strengthen





Drive Value from Our Fleet

Shorter cycle, strong rate of return







Hybridization



Organic Pipeline

Decision gates to advance pipeline



Early-stage



Mid-stage



Late-stage

Asset Acquisitions

Value accretive growth





Late-stage



Northland is growing

Gross capacity expected to double to **7+ GW** by 2030

16% CAGR Target 2030+

2.2 **GW**



New

growth

1.4 - 1.8 GW









3.5 **GW**



Construction projects





Organic + value enhancement projects + asset acquisitions

2030E Target Installed capacity

7+ **GW**



Grow

Disciplined market & technology selection

Northland's approach







Grow

Disciplined market & technology selection

Northland's approach

Market selection

Macro

Underlying GDP, grid investment, decarbonization

Technology

Suitable for geography (resource); highest level returns, reduced risk

Commercial

Fundamentals: PPA, license, capex, time vs investment

Grow

Core market focus

2025+

International

Europe: Poland, Spain, UK

Positive macro conditions

Americas

Canada: across provinces

Home market advantage

Beyond 2030

International

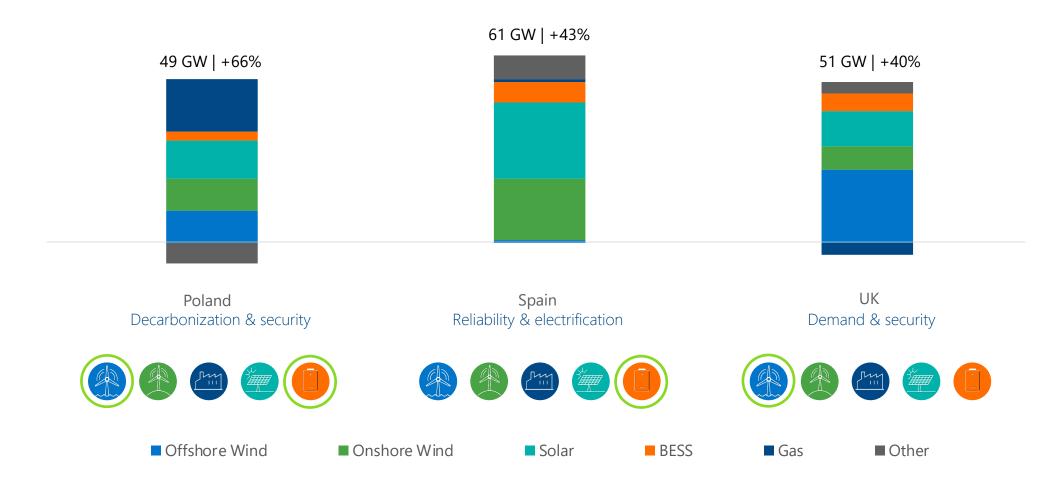
Asia: across region

Favourable outlook





Reliability, security & decarbonization driving growth in Europe



Incremental GW Energy & Capacity Additions by 2035





Mixed technology approach to energy and capacity needed in Poland

Installed capacity mix in Poland by fuel (GW)



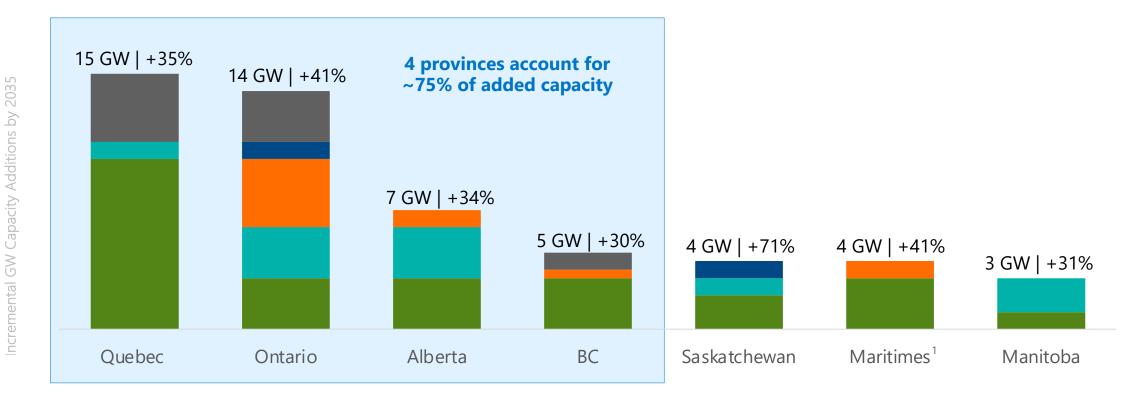
Source: Aurora Energy Research; Global Data; ENTSOE







Canada home-court advantage





Grow



High-grading our opportunities

Reducing risk and improving returns

Early development	Mid-stage development	Late-stage development	Construction
6.5 GW	2.3 GW ¹	400 MW	2.2 GW
 Canada onshore renewables Canada natural gas Offshore wind Poland² UK offshore wind (floating) Southeast Asia offshore New York renewables 	 Spain BESS Canada onshore renewables Collisard natural gas Various Ontario projects UK offshore wind (fixed) 	 Mieczysławów BESS Kamionka BESS High Bridge 	 Hai Long Baltic Power Jurassic BESS

Project Acquisition (M&A) Evaluation

Value enhancement projects



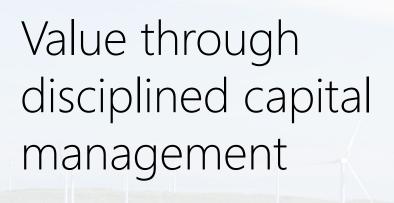




- Spain storage
- Spain transmission line utilization
- Spain wind repowering
- Quebec expansion / extension
- Behind the meter wind storage
- Natural gas optimization

- 1. Inclusive of value enhancement projects totaling ~600 MW
- 2. Identified but not yet secured





Financial resilience

Disciplined capital allocation

Sustainable shareholder returns



Project management and delivery

Pierre-Emmanuel Frot

EVP, Safety, Projects and Development



Grow)

Global competition for capital allocation and development

A centralized, disciplined and repeatable process for evaluating growth projects

2

Rigorous project delivery planning and structured due diligence 3

Market & technology knowledge with global scale



Deliver

Project delivery excellence

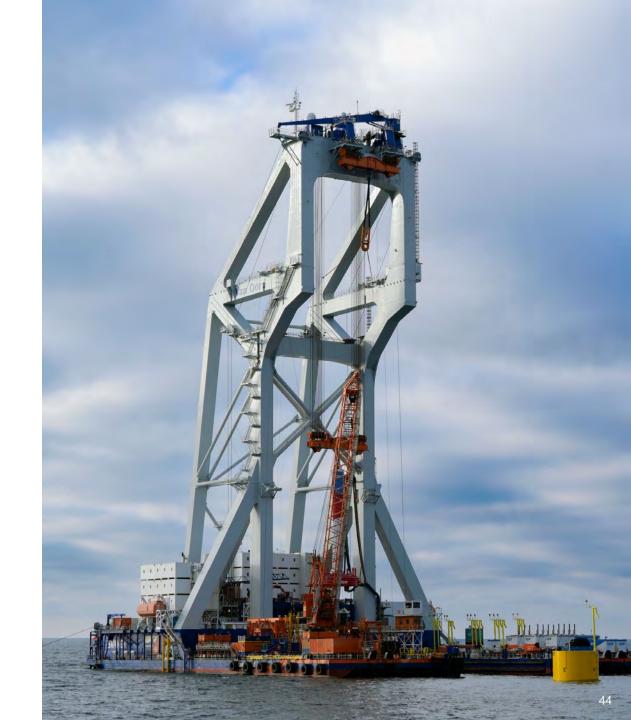
- One-team partnership approach
- Empowered local teams
- Solid scenario planning & tracking



Deliver

Agile approach to supply chain

- Strong shortlist of top-tier suppliers to facilitate agile supply chain
- Multi-level supplier relationships
- Multi-technology differentiated approach





Battery

Supplier optionality to capture rapid technology innovation

Solar

Suppliers scale to project

Natural Gas

Supply chain defined by design

Wind

Turbine scale narrows supply chain

More flexible

Less flexible

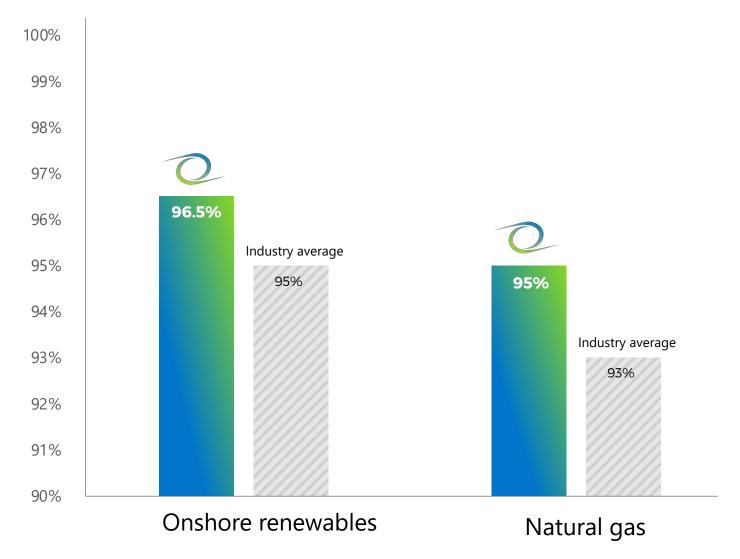


Americas Calvin MacCormack EVP Americas

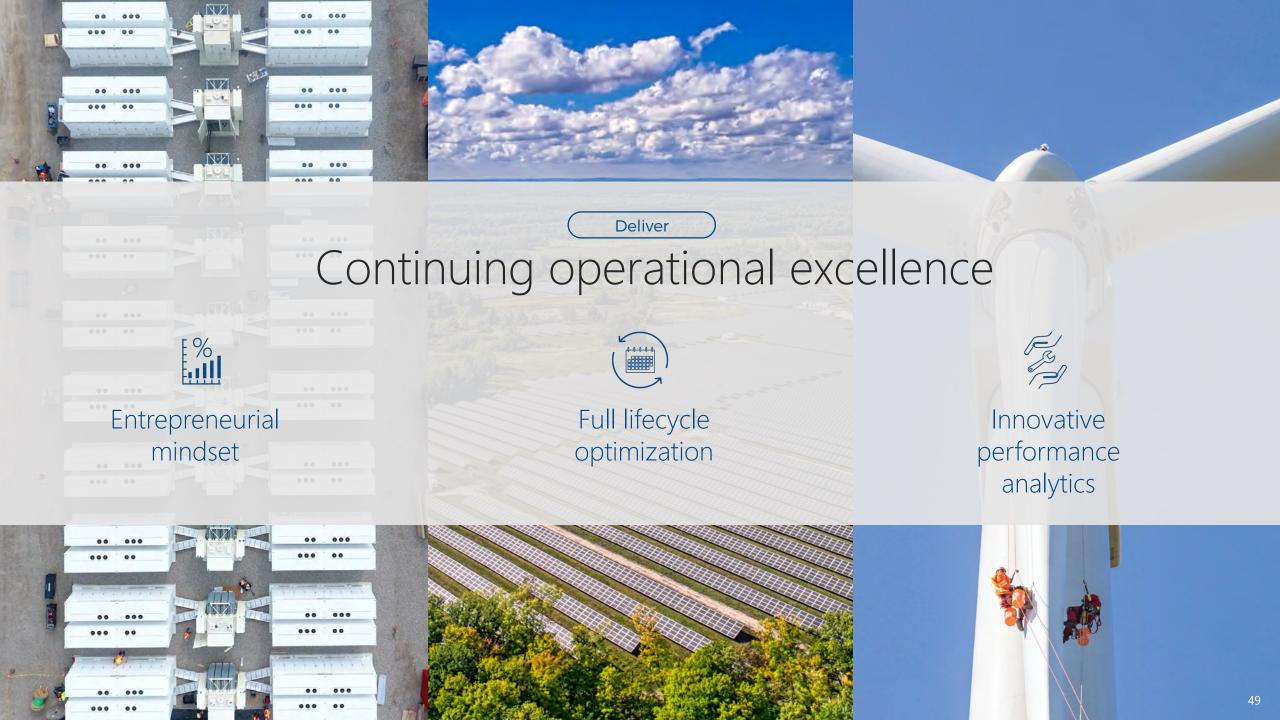




Operating availability above industry benchmarks



Sources: PowerMag; Industry Benchmark





Value enhancement spotlight

Expansion / extension in Quebec

Location: **Quebec, Canada** Technology: **Onshore Wind**

Stage: Mid-stage

Current capacity: 100 MW

Ownership: 100%

 Potential to expand existing operations to make full use of available substation and transmission capacity





Construction update

Unlocking grid flexibility in Alberta

Jurassic BESS

Location: Cypress County, Alberta

Technology: **BESS**

Stage: Construction

Capacity: 80 MW / 160 MWh

Ownership: 100%

2026 key milestones

- Deliver and install battery packs and transformer equipment
- Achieve grid interconnection
- Target full commercial operations by end of 2026







Expanding natural gas in Canada

Collisard

Location: Red Deer, Alberta

Technology: Natural gas

Stage: Mid-stage

Capacity: 120 MW

Ownership: 100%



- Acquired in 2025
- Leveraging existing footprint in Canada
- Active development work including community engagement and discussions with potential off-takers
- Target full commercial operations before 2030





International

Toby EdmondsEVP International

International overview







1.8 GW in operations¹

2.1 GW under construction¹

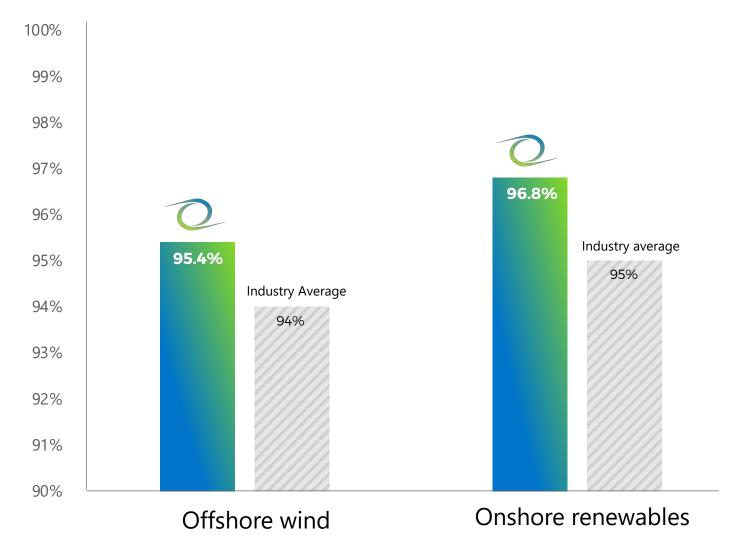
65% of 2024 Adjusted EBITDA²

- 1. Gross capacity
- 2. See Non-IFRS financial measures





Operating availability above industry benchmarks



Sources: PowerMag; Industry Benchmark



Deliver

Achieving operational excellence



Data driven



Performance analysis



Integrated management system



Full-service capability





Grid scale battery storage

Location: Lebrija, Spain

Technology: **BESS** Stage: **Mid-stage**

Potential Capacity: 180 MW / TBD MWh

Ownership: 100%











Hai Long

Location: Taiwan Strait

Technology: Offshore wind

Stage: Construction Capacity: 1,022 MW

Ownership: 30.6%

2026 key milestones

- Install and commission remaining turbines
- Target full commercial operations in 2027







Commissioning update

Hai Long

Impacted by the following:

- Slower turbine commissioning
- Onshore substation technical matter

Current situation¹:

- 37 of 73 wind turbines installed
 - 19 to be commissioned
 - 16 in commissioning
 - 2 generating power

Recovery plan

- Energization and commissioning in progress
- Technical part replacement at onshore substation expected by the end of 2025
- Target full commercial operations in 2027

Financial considerations

 Slower than expected commissioning could impact pre-completion revenues in the amount of approximately \$150 - \$200 million (Northland share) in 2026







Poland's first offshore wind project

Baltic Power

Location: Baltic Sea, Poland

Technology: Offshore wind

Stage: Construction Capacity: 1,140 MW

Ownership: 49%

2026 key milestones

- Install remaining foundations, turbines, and array cabling
- Connect to grid and achieve first power generation
- Target full commercial operations by end of 2026









Expanding in a core market

Poland BESS

Location: Mieczysławów & Kamionka,

Poland

Technology: BESS

Stage: Late-stage (pre-construction)

Capacity: 300 MW / 1,200 MWh

Ownership: 100%

Project details

- Two late-stage (pre-construction) battery storage projects
- 17-year capacity contract with indexation
- Remaining revenue from arbitrage and ancillary markets
- Estimated total project costs approximately €200M





200 MW Mieczysławów

100 MW Kamionka



Finance

Jeff Hart

Chief Financial Officer



Financial framework



Financial resilience



Disciplined capital allocation



Sustainable funding & shareholder returns

Balance sheet strength



Committed to investment grade credit ratings

Project finance accounts for ~90%² of total debt



Project debt repaid over revenue contract period	Non-recourse structure provides scalability
High quality risk mindset	Supporting project returns

Disciplined financing to support growth and mitigate risk

^{1.} Reaffirmed in 2024 and June 2025, respectively

^{2.} As of September 30, 2025



Improving cost structure

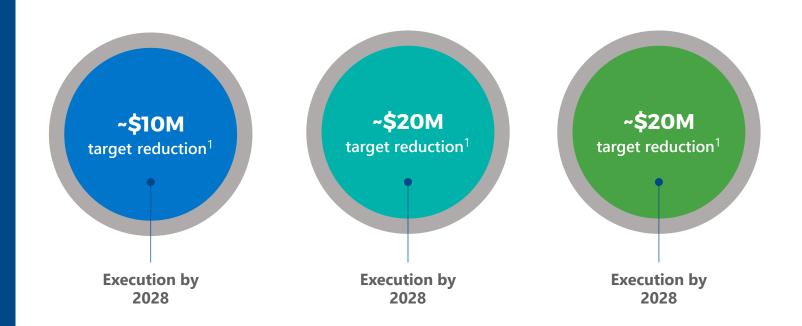
Target \$50M in annual cost savings by 2028 (G&A, development, and operating)

- Aligned organizational structure and strategic objectives
- Technology-driven efficiencies
- Disciplined growth execution
- Scaled presence in core markets



Development cost efficiencies

Current run-rate operating cost efficiencies



^{1.} Reduction of our current expense base, prior to adjustments for inflation and other business changes that will occur before full implementation in 2028



Contracted revenue base with strong customer base

95%+

Revenue under long-term power purchase agreement (PPA) or contract for difference A+

Credit quality

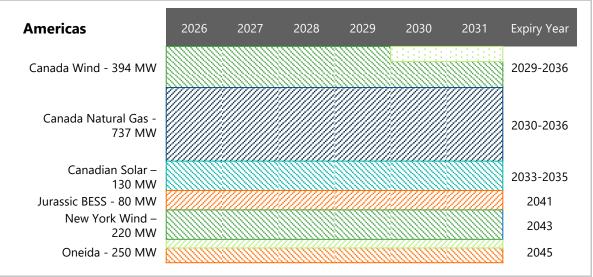
~142

Year weighted average PPA term

- 1. For year-ended 2024
- 2. Weighted by net operating capacity and includes projects under construction

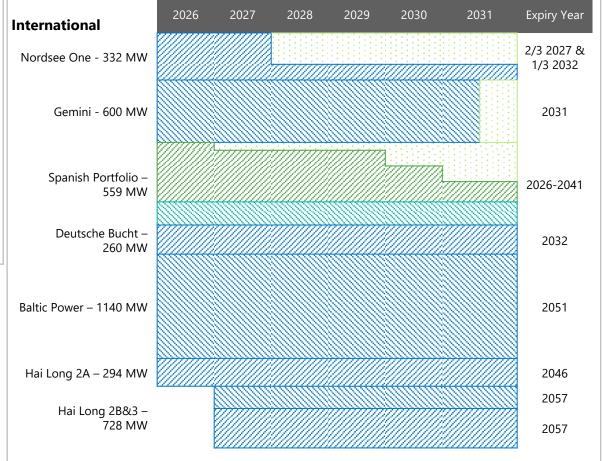


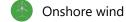
Financial resilience



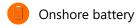
~14 year
weighted average
contracted life

Recently
recontracted
1/3 Nordsee One











Grow

Our disciplined approach to growth opportunities

Capital allocation

Capital allocation options

Asset optimization, debt repayment, organic growth, M&A, share buyback, etc.

Project risk considerations

Execution, cash flow variability, contracted/tenor, jurisdiction, inflation protection, permitting

Financial considerations

Project returns, IRR, NPV, accretion, etc.



More profitable growth

Fund top-return projects first, then allocate to next best alternatives

Comparison of target risk adjusted project returns¹





Capital allocation and investment funnel examples

Investment criteria

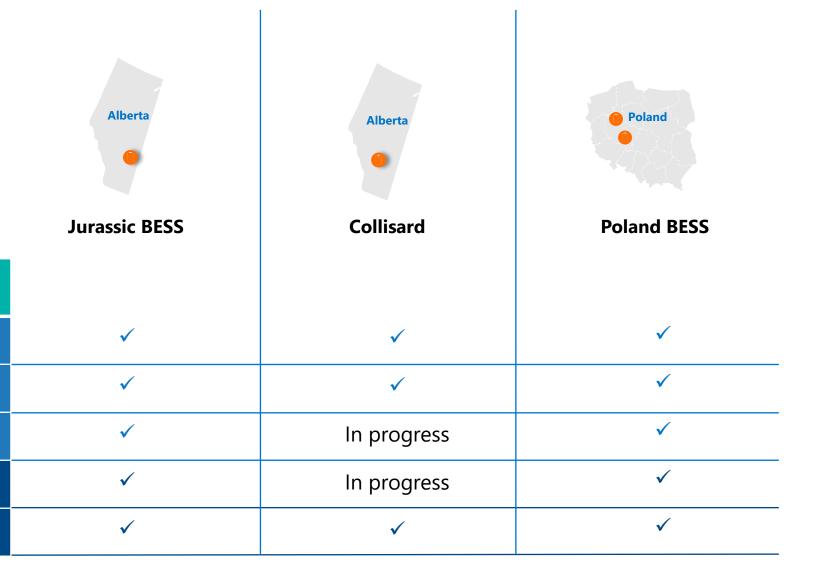
Macro (market fundamentals)

Technology (BESS, natural gas, solar, wind)

Project risk consideration (contractedness, etc.)

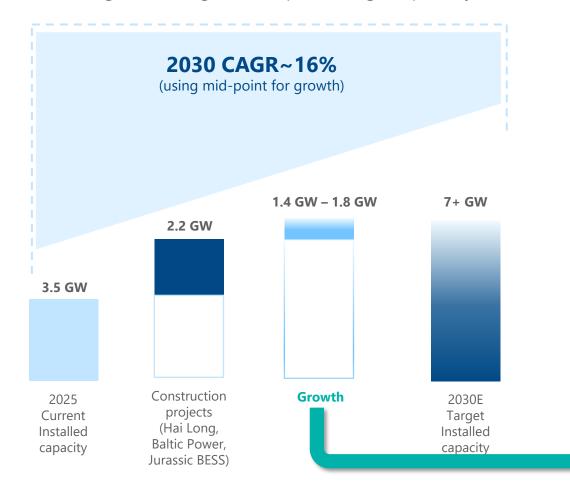
Value creation (return threshold, accretion, etc.)

Commercial (contract or merchant)



Growth funding plan

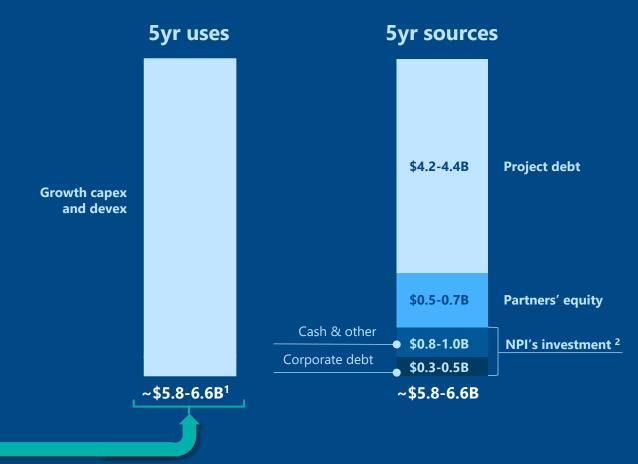
2030 gross targeted operating capacity 7 GW





Cash sources & uses (2026-2030)

Estimated \$5.8 – \$6.6B gross investment over five years (with no expected common equity issuances)

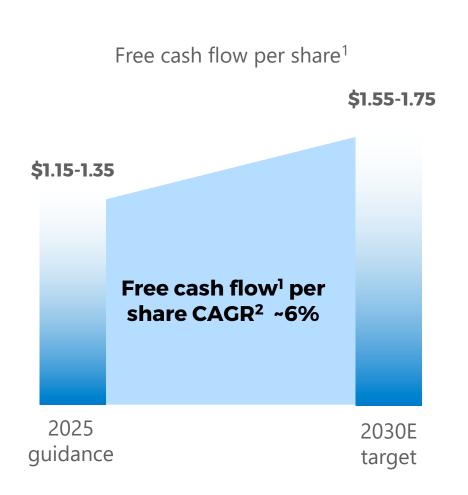


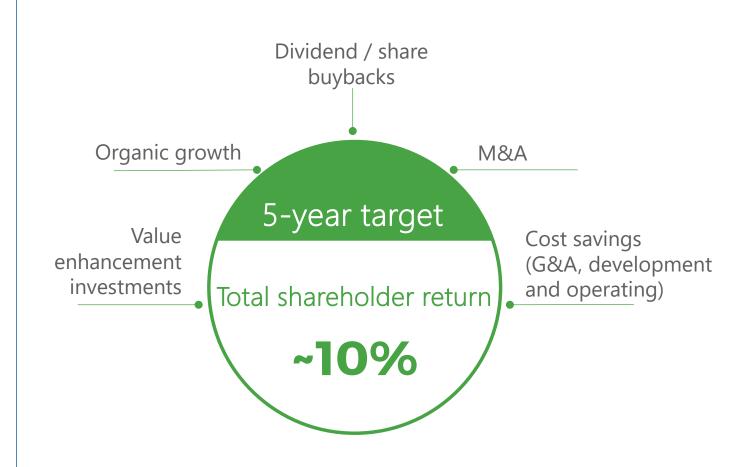
Of the total spend ~\$2.8-3.0B is on projects that reach COD by 2030

Includes capital investments for the projects that will achieve commercial operations dates post 2030



Sustainable shareholder return





Compounded annual growth rate

^{1.} See Non-IFRS financial measures



Focused to ensure robust and resilient finance structure

- De-risking business via execution of value accretive opportunities
- Predictable cash flows from long-term contracted asset base

- Committed to maintaining investment grade credit rating
- Prioritizing high-returns and strategically aligned investments

Secured funding sources to support growth without reliance on a common equity financing



Closing remarks Christine Healy President & CEO

Creating value that lasts

Deliver shareholder value (10%+ TSR)

Deliver

Focus on the execution of construction projects

Maintain operational excellence and identify opportunities to enhance performance and capabilities

Strengthen

Maintain balance sheet flexibility, investment grade rating, invest in growth, and value enhancement initiatives

\$50M of annual cost savings by 2028 including:

- Streamline organization
- Focus devex
- Focus opex

Grow

High-grade pipeline with 12%+ project returns in core markets

Advance on value enhancement opportunities within existing portfolio

Supplement organic growth with accretive asset acquisition

Double gross capacity to 7 GW by 2030





Key Metrics¹

Corporate Metrics		
Total Employees	1,100+	
Gross Operating Assets ²	3.5 GW	
Gross Assets in Construction ²	2.2 GW	
Carbon Intensity Reduction ⁶	30% (since 2019)	
ESG Ratings		
MSCI	AA Leader Rating	
Sustainalytics	Med Risk - 25	

Financial Metrics	
Recent Share Price (TSX: NPI)	\$18.48
Shares (Common) ²	261.5M
Annual Dividend	\$0.72
2025 EBITDA Guidance ³	\$1.2 - \$1.3B
2025 FCF/sh Guidance ³	\$1.15 – \$1.35
Total Debt, Net of Cash ^{2,4}	\$7.8B
Preferred Shares (NPI.PR.A, NPI.PR.B) ²	\$145M
Market Capitalization (Common)	\$4.8B
Enterprise Value ⁴	\$12.7B
Credit Rating (S&P & Fitch) ⁵	BBB Stable

^{1.} Data as at November 17, 2025, unless stated otherwise

^{2.} As at September 30, 20253. See Reporting of Non-IFRS Measures

Northland's proportionate share
 Reaffirmed in 2024 and June 2025, respectively
 Performance as at December 31, 2024. Includes Joint Venture interest