



CPS

LOW-CARBON MANUFACTURING OF SOLAR GLASS

An Investment with
Sustainable Returns

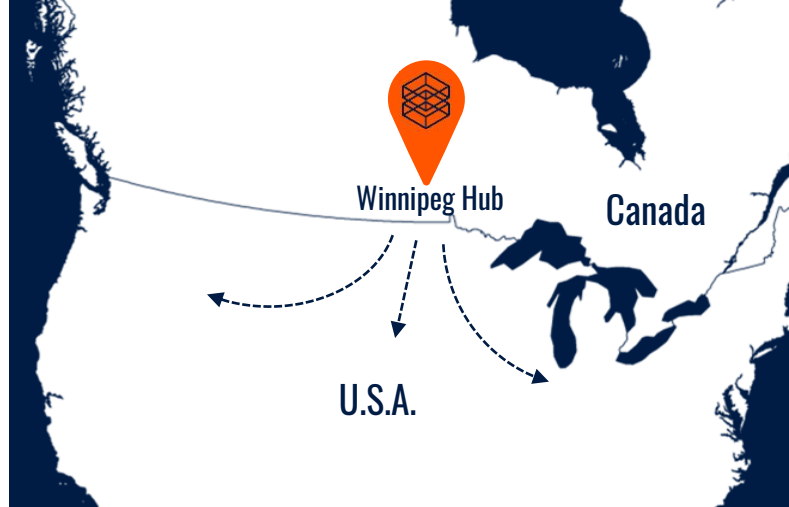




INVESTMENT HIGHLIGHTS

CPS is developing an integrated facility to manufacture high-quality patterned solar glass, a key component in solar panels.

- Provides exposure to exponential growth in North America solar panel installations
- Benefited by on-shoring of supply chain to:
 - reduce dependence on Asia-Pacific imports
 - meet end-user goals for ESG compliance
- Low-cost advantage via:
 - wholly owned solar spec sand resource
 - inexpensive hydro-electricity & natural gas
 - shorter logistics to domestic customers



A Canadian solution to support the North American solar energy supply-chain



Setting a new Low-Carbon manufacturing standard using 99% renewable electricity

LOW-CARBON MANUFACTURING OF SOLAR GLASS





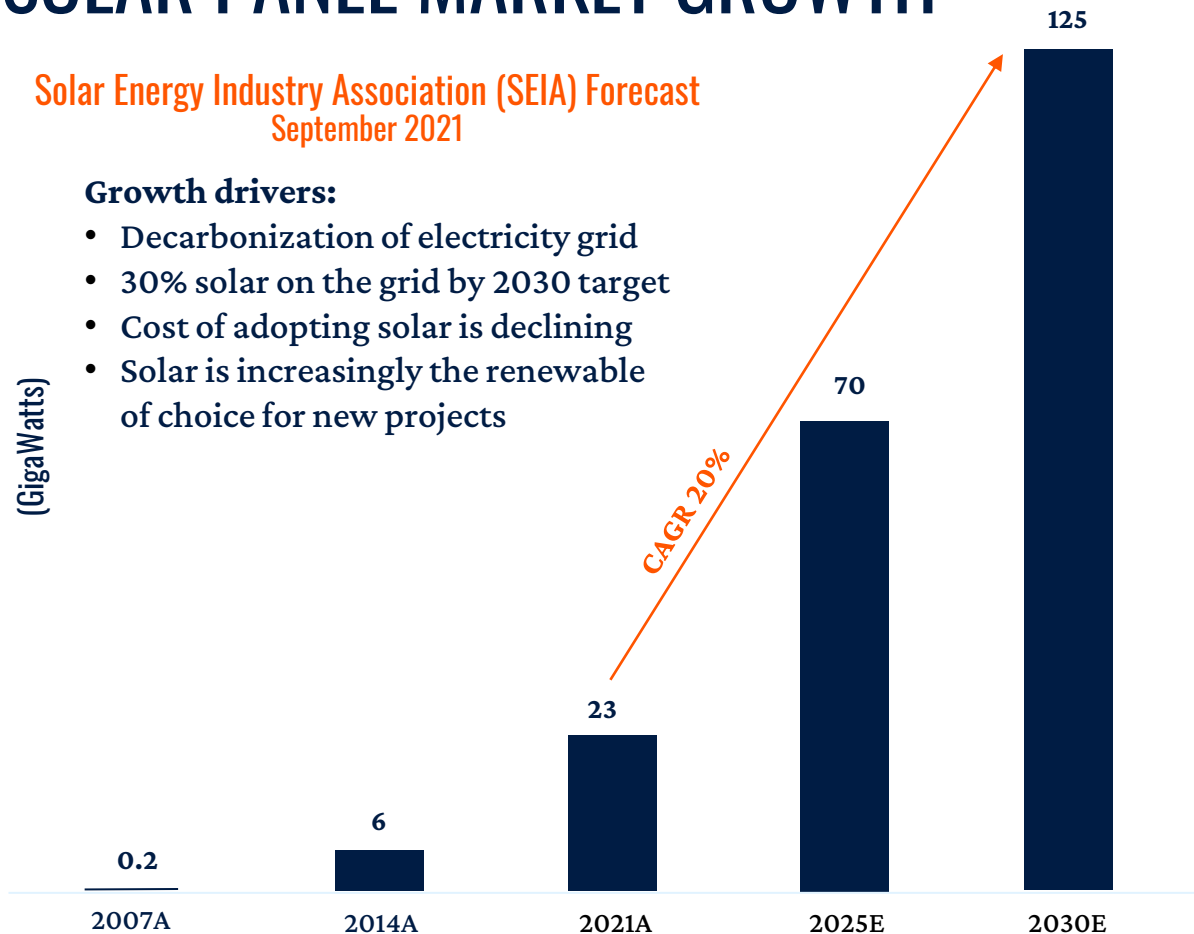
SOLAR PANEL MARKET GROWTH

Solar Energy Industry Association (SEIA) Forecast
September 2021

Growth drivers:

- Decarbonization of electricity grid
- 30% solar on the grid by 2030 target
- Cost of adopting solar is declining
- Solar is increasingly the renewable of choice for new projects

Annual Solar Panel Installations
(GigaWatts)





SOLAR PANEL SUPPLY CHAIN

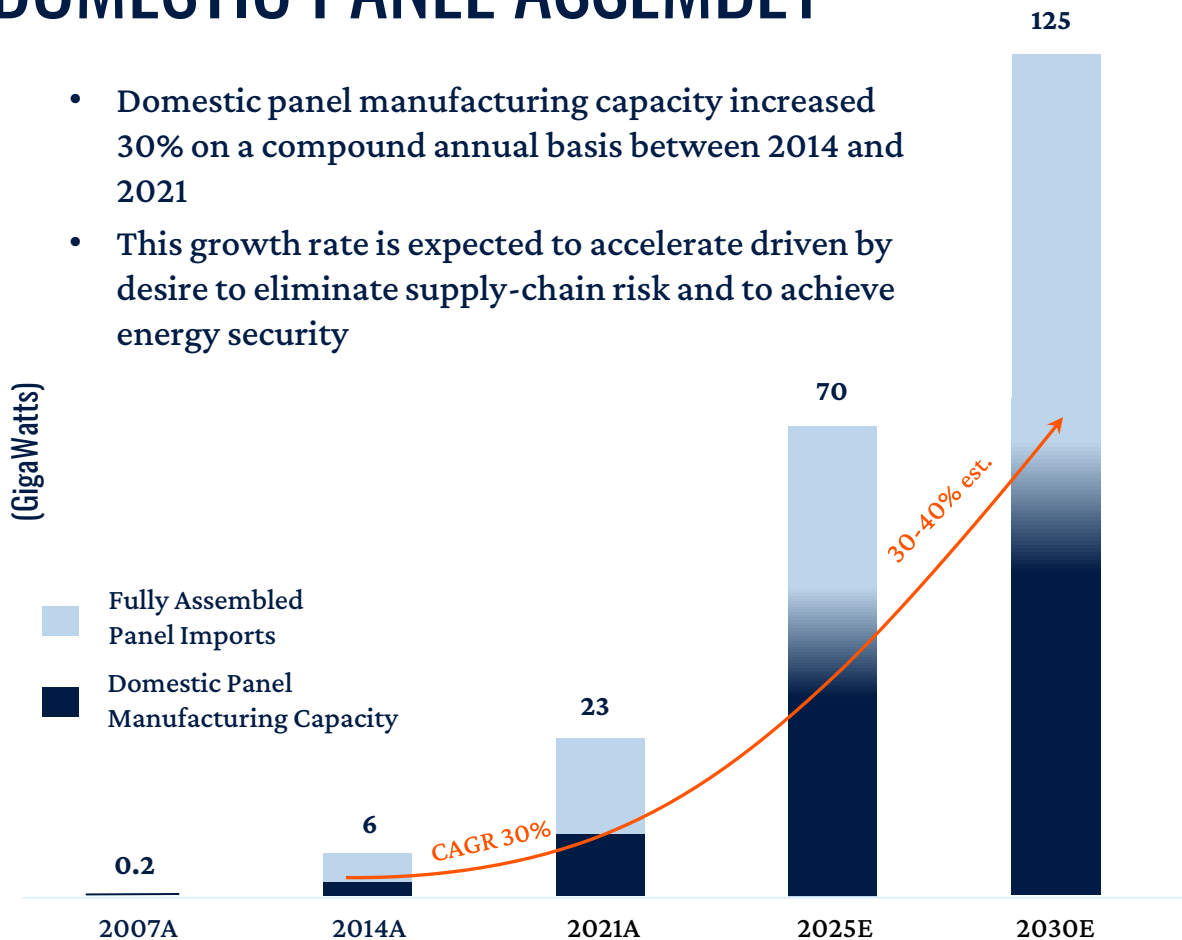
- North American panel manufacturers face high operational risks as a result of insecure supply from Asia-Pacific
- Solar panel supply-chain is of national strategic value and critical to energy security and independence
- Initiatives to on-shore solar energy supply-chain:
 - tax incentives to buy domestic panels
 - tariffs on imports from China





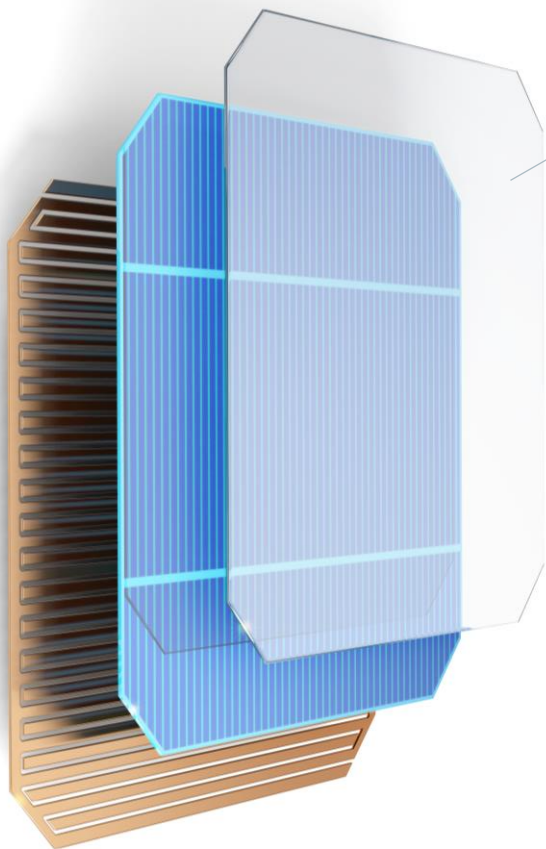
DOMESTIC PANEL ASSEMBLY

N.A. Domestic Solar Panel Assembly Capacity





SOLAR PANEL COMPONENTS



Patterned solar glass is a critical component of solar panels

Balance of System
Typically 20%

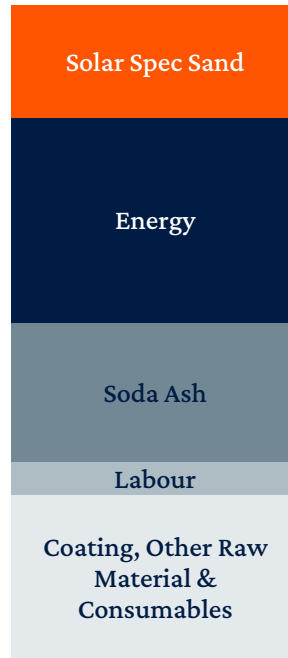
Cell Manufacturing
Typically 25%

Average solar panel cost breakdown

Solar Glass
10 - 15%

Polysilicon
Varies from 25 to 45%

Average Asia-Pacific solar glass cost breakdown





**NORMAL
FLAT GLASS**

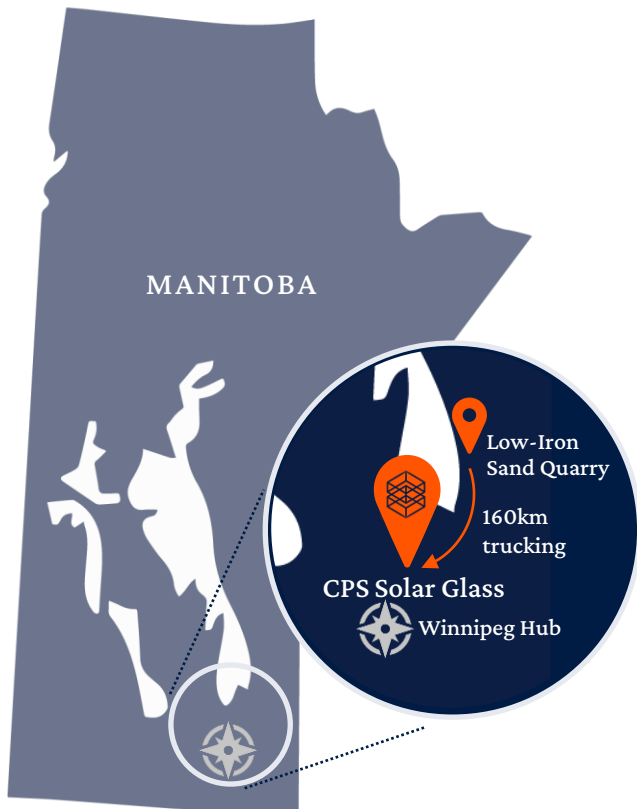
**HIGH TRANSMISSIVITY
PATTERNED SOLAR GLASS**





INTEGRATED SOLAR SPEC SAND SUPPLY

CPS is positioned to be the only integrated solar glass manufacturer in North America



Wholly owned quarry

- Inferred Resource* of 7.25 million tonnes of solar glass specification high purity, low-iron sand (100ppm Fe_2O_3)
- 23 to 26 million tonnes* of target exploration area for future development
- Ample supply for typical glass facility life-span

* Mineral resources are not mineral reserves and do not have demonstrated economic viability.
See NI 43-101 compliant Technical Report published on SEDAR, effective October 18, 2021

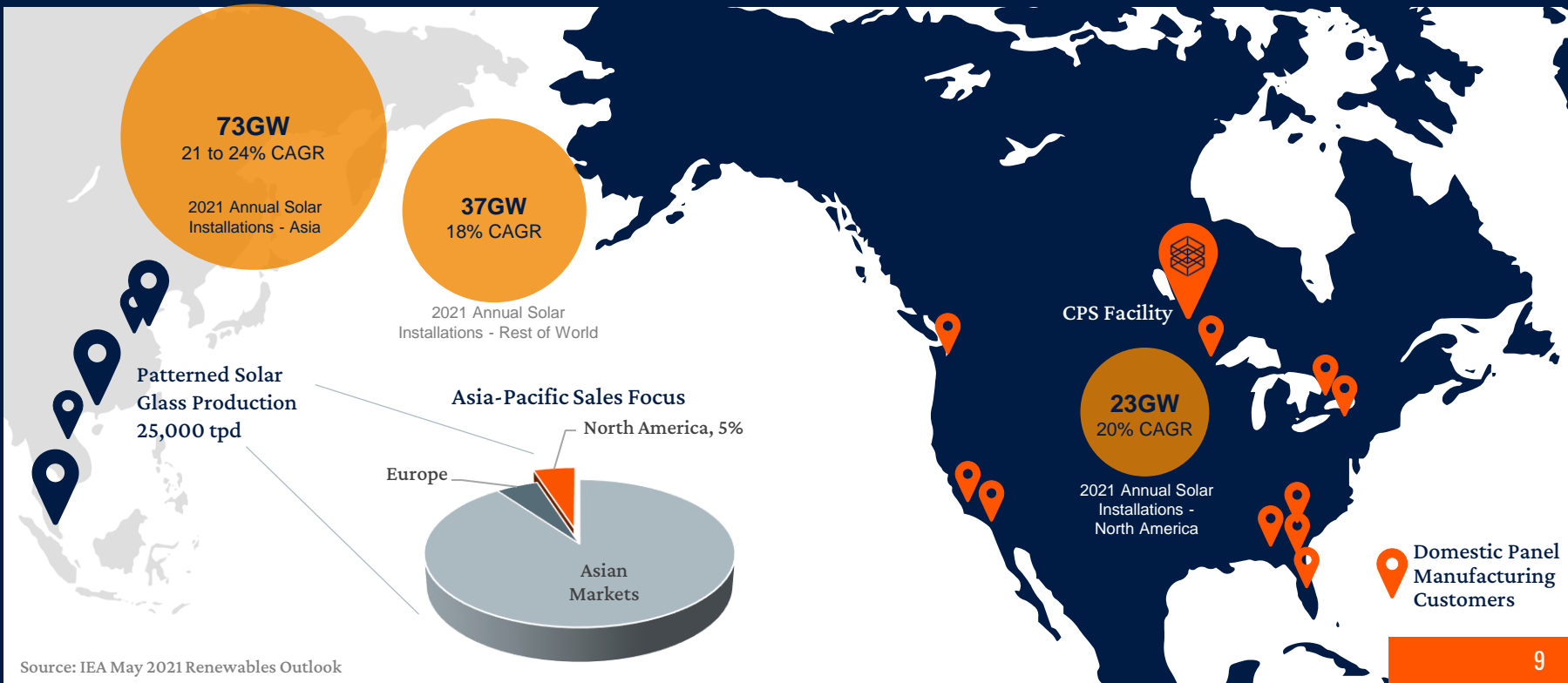
Solar glass manufacturing facility

- Site serviced by transport and energy infrastructure
- Natural gas sourced from competitive western Canadian market
- Electricity supply is 99% renewable
- Recycled water available
- Access to Winnipeg logistics hub for low-cost transport



FUTURE OF SOLAR GLASS SUPPLY

Asia-Pacific solar glass competitors are focused on large and growing Asian markets, providing CPS a first-mover advantage to earn significant market share in North America





FIRST-MOVER ADVANTAGE & LOW MANUFACTURING COST

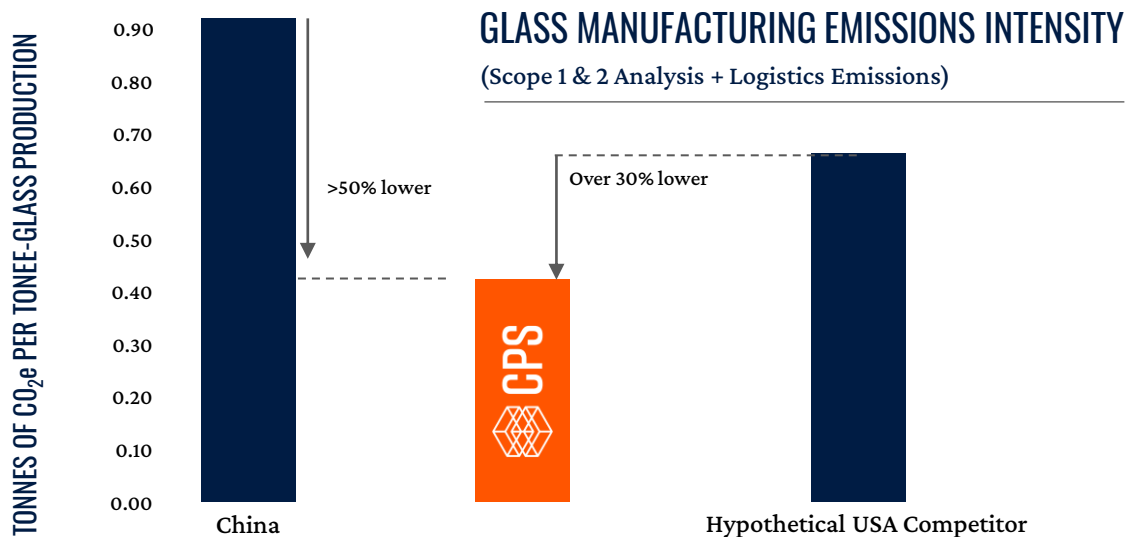
- There are no patterned solar glass manufacturers currently in North America
- There are 4 other solar spec sand deposits in North America, only 2 offer similar low-iron characteristics
- Glass manufacturing costs where these deposits are located are significantly higher than in Manitoba





SUSTAINABILITY STRENGTHS

- Partnership agreements with Hollow Water First Nation and Community of Seymourville
- Local employment opportunities for nearby communities
- Utilizing renewable energy supply to reduce net carbon footprint per unit of glass production
- Operating using environmental conscious natural resource management and quarry rehabilitation techniques
- Optimizing use of recycled water in the manufacturing process along with waste heat recovery





PROJECT MILESTONES

October 2021

Complete Level 2 FEED Study

- Finalize glass facility design
- Design quarry facilities

November 2021

Develop detailed capital plan & operating financials

Q1 2022

Glass plant site under conditional purchase agreement

Q2 2022

Q3 2022

- Regulatory approval to operate
- Stakeholder approval to operate
- Secure financing for build out





Q3 2022

- Break Ground



Q4 2022



Q1 2023



Q2 2023



Q3 2023



Q4 2023



Q1 2024



Q2 2024

Construction of glass plant and quarry



Q3 2024

- Construction complete
- Commissioning complete
- Staff hiring and training complete

GLASS MANUFACTURING COMMENCES





MANAGEMENT TEAM

GLENN LEROUX, P. ENG PRESIDENT & CEO, DIRECTOR

- Seasoned executive with over 40 years of experience
- Former CEO of BOS Solutions Inc. leading its revenue growth from \$22mm to \$200mm over 8 years
- Responsible for startup and management of international operations for various firms

ANSHUL VISHAL, P. ENG, MBA VP, BUSINESS DEVELOPMENT

- Venture development executive with expertise in financial models, business plans and strategy for startups
- MBA with focus on Green Innovation Financing, Capital Markets Analyst (CMSA) designation from CFI
- Previous silica sand exploitation experience

CAM DELLER, B. COMM, CFA CHIEF FINANCIAL OFFICER

- Experienced investment and corporate planning executive with strong finance background
- Proven capital markets expertise developed over a progressive 20 year career in both public and private entities

DENELLE BUSHIE OPERATIONS MANAGER

- Responsible for managing all quarry related activities. Experienced in working with Manitoba stakeholders to advance infrastructure projects.
- Previously served as councilor for Hollow Water First Nation. B.Sc. In Civil Engineering from University of Manitoba

ALASDAIR KNOX, P. ENG, PMP, MBA VP, PROJECT ENGINEERING

- Project executive with over 30 years of global project management experience
- Previously worked for start-ups and large multi-national organizations and has experience with large complex projects including public-private partnerships
- Holds an Honours Degree in Civil Engineering, an MBA, PMP and a P. Eng

PATRICK KENNY CONSULTANT

- 35+ years of experience with a large multi-national glass manufacturer
- Previously responsible for developing market entry strategies with executive accountability within Vitro Architectural Glass (previously PPG)



BOARD OF DIRECTORS

LOWELL JACKSON, P. ENG CHAIRMAN

- 40+ years of technical, operational, and executive experience in the resource sector
- Served as the CEO and President of both WestFire Energy Ltd. and Real Resources Inc.
- Senior management roles at Grad & Walker Energy Corporation from 1991 to 1997

TODD GARMAN, B.COMM., MBA DIRECTOR

- President at Iron Horse Energy Services
- Previously spent several years as a partner and analyst primarily at Peters & Co. Limited

RICK WILLIAMS, B.A., LLB DIRECTOR

- Serves as president of Blackwell Investor Relations and Waseco Resources
- Served as a corporate lawyer, PR professional, and an executive in the junior mining industry for the past 30 years

JOHN ASSMAN DIRECTOR

- Serves as a third-generation owner, President & C.E.O. of Landtran Systems Inc.
- Provides funding to young businesses in an angel investor capacity

ROD SOUSA, B.COMM., CFA DIRECTOR

- Executive Vice-President, Corporate Development & Planning at Paramount Resources Ltd.
- Previously held senior leadership roles at Athabasca Oil, TD Securities Inc. and Scotia Waterous Inc.

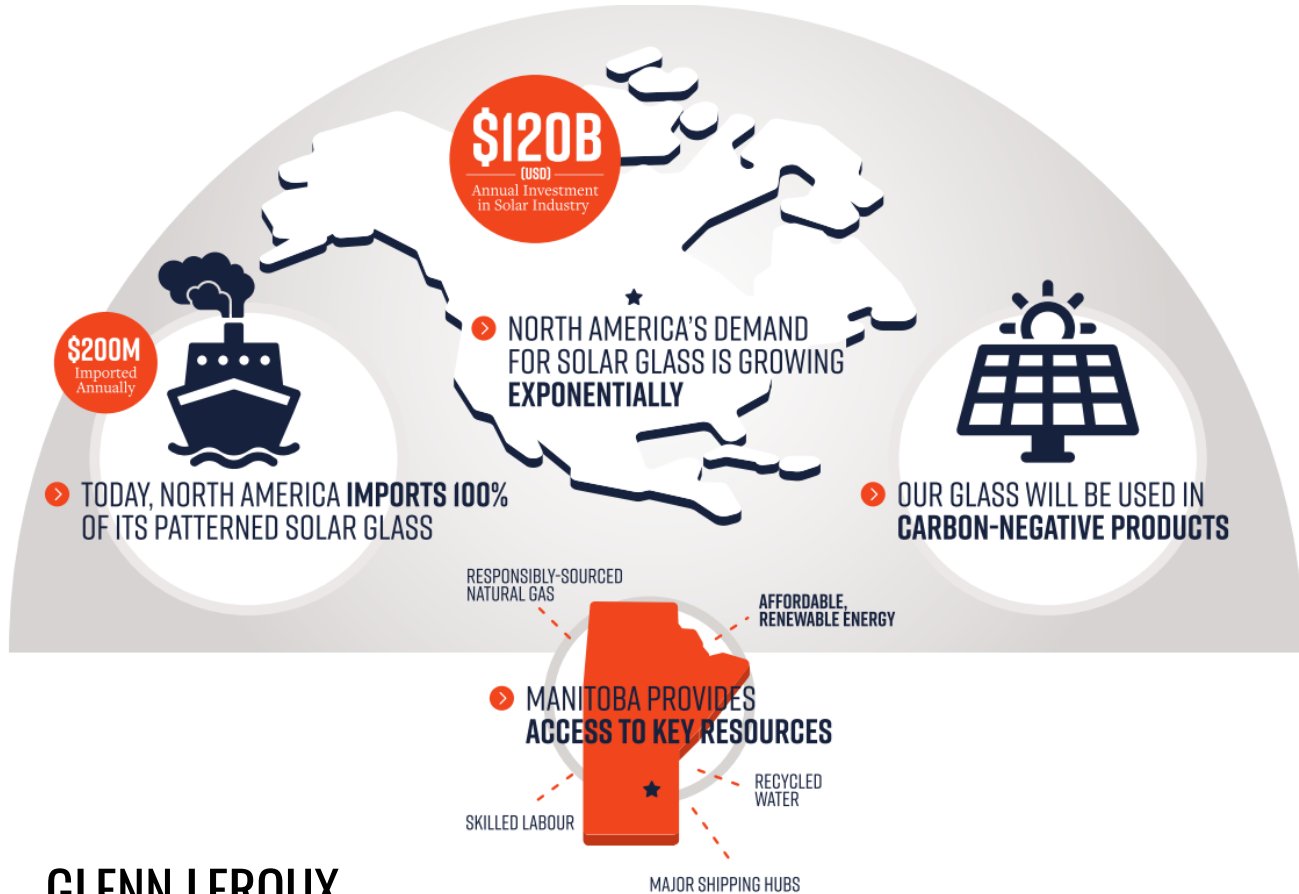


CAPITAL STRUCTURE

CURRENT SHARE PRICE (TSX-V: CPS) October 18, 2021	\$0.45	MAJOR SHAREHOLDERS (September 30, 2021)	
BASIC SHARES OUTSTANDING October 14, 2021	45,615,660	PARAMOUNT RESOURCES	14.8%
MARKET VALUE (\$MM)	\$20,530,000	DAVID WILSON & ASSOCIATED PARTIES (CEO, Kelt Exploration Ltd.)	13.0%
OPTIONS OUTSTANDING September 30, 2021	2,456,666	BOARD OF DIRECTORS AND MANAGEMENT	7.9%
FULLY DILUTED SHARES OUTSTANDING September 30, 2021	48,072,326	EQUINOX PARTNERS (US INSTITUTION)	7.8%
CONVERTIBLE DEBENTURES OUTSTANDING Convert price \$0.75 (4-yr term at 12% deferred interest)	\$1,975,000 Issued February 2020	SHAREHOLDERS OVER 1%	18.5%
		TOTAL	62.0%



AN INVESTMENT WITH SUSTAINABLE RETURNS



GLENN LEROUX
PRESIDENT & CEO

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587.355.3714



DISCLAIMER

TECHNICAL DISCLOSURE

Some technical information contained in this presentation related to the silica sand resource has been extracted or summarized based on the information contained in the independent Preliminary Feasibility Study (“PFS”, the “Study” or the “Technical Report”) and Mineral Resource update of Wanipigow Sand Quarry dated March 19, 2020, reviewed and approved by Roy Eccles, P. Geol. of APEX Geoscience Ltd. and Robert Farmer P. Eng. of John T. Boyd Company, each of whom is independent of the Company and a “qualified person” under National Instrument 43-101 Standards of Disclosure for Mineral Projects (“NI 43-101”). Readers are cautioned not to solely rely on the summary of this information but should read the PFS in its entirety which is available for review on the Company's profile on SEDAR at www.sedar.com.

FORWARD LOOKING INFORMATION

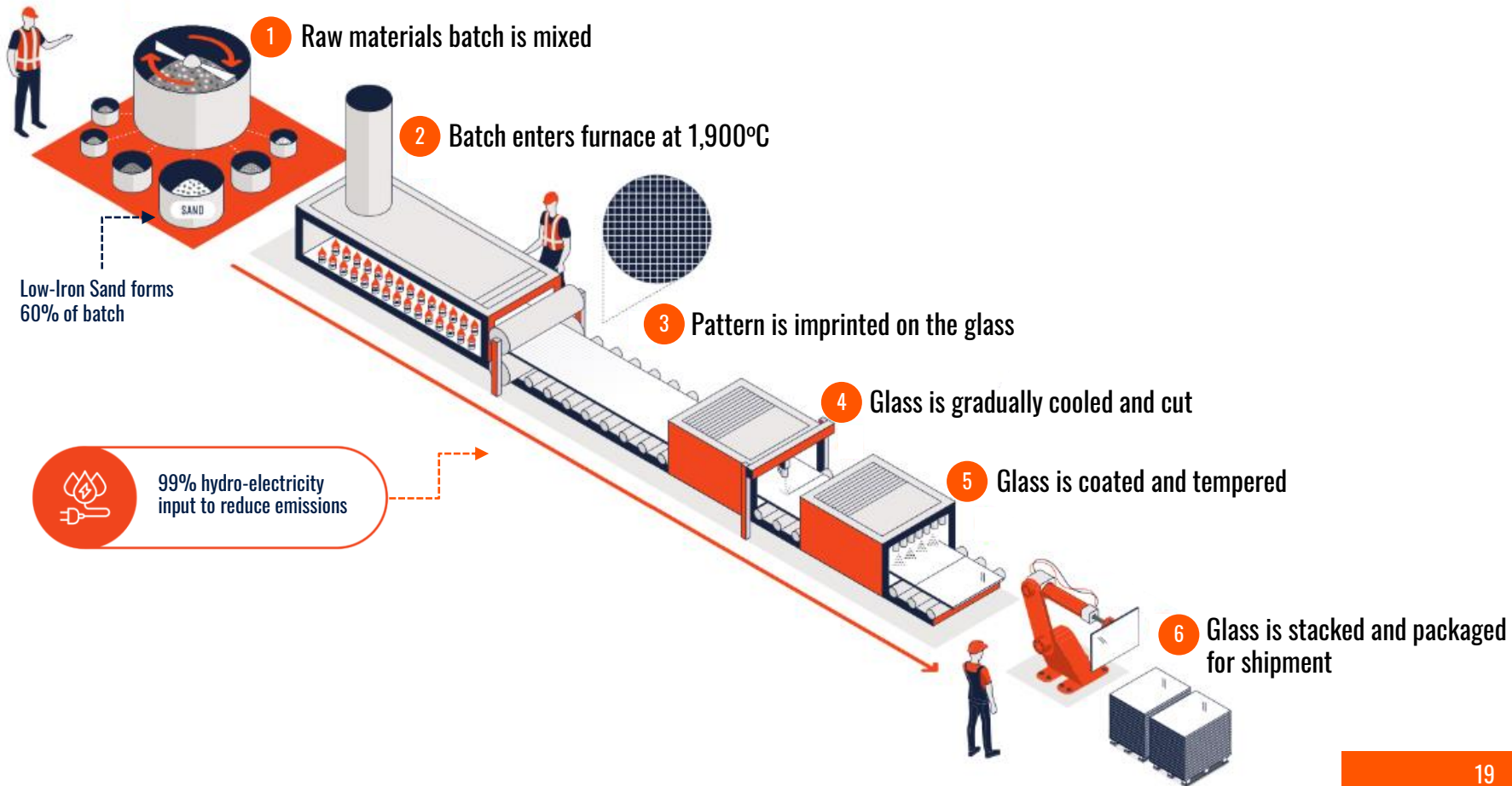
Certain statements contained in this presentation constitute forward-looking statements relating to, without limitation, expectations, intentions, plans and beliefs, including information as to the future events, results of operations and the Company's future performance (both operational and financial) and business prospects. In certain cases, forward-looking statements can be identified by the use of words such as “expects”, “estimates”, “forecasts”, “intends”, “anticipates”, “believes”, “plans”, “seeks”, “projects” or variations of such words and phrases, or state that certain actions, events or results “may” or “will” be taken, occur or be achieved. Such forward-looking statements reflect the Company's beliefs, estimates and opinions regarding its future growth, results of operations, future performance (both operational and financial), and business prospects and opportunities at the time such statements are made, and the Company undertakes no obligation to update forward-looking statements if these beliefs, estimates and opinions or circumstances should change. Forward-looking statements are necessarily based upon a number of estimates and assumptions made by the Company that are inherently subject to significant business, economic, competitive, political and social uncertainties and contingencies. Forward-looking statements are not guarantees of future performance. By their nature, forward-looking statements involve numerous current assumptions, known and unknown risks, uncertainties and other factors which may cause the actual results, performance or achievements of the Company to differ materially from those anticipated by the Company and described in the forward-looking statements.

THIRD PARTY INFORMATION

This presentation includes market, industry and economic data which was obtained from various publicly available sources and other sources believed by the Company to be true. Although the Company believes it to be reliable, the Company has not independently verified any of the data from third party sources referred to in this Presentation or analyzed or verified the underlying reports relied upon or referred to by such sources or ascertained the underlying economic and other assumptions relied upon by such sources. The Company believes that its market, industry and economic data is accurate and that its estimates and assumptions are reasonable, but there can be no assurance as to the accuracy or completeness thereof. The accuracy and completeness of the market, industry and economic data used throughout this Presentation are not guaranteed and the Company makes no representation as to the accuracy of such information.



PATTERNED SOLAR GLASS MANUFACTURING





CARBON NEGATIVE SOLAR PANELS

