



Wood Waste to
Renewable
Energy

April 2024

CHARTECH 

Forward Looking Statements

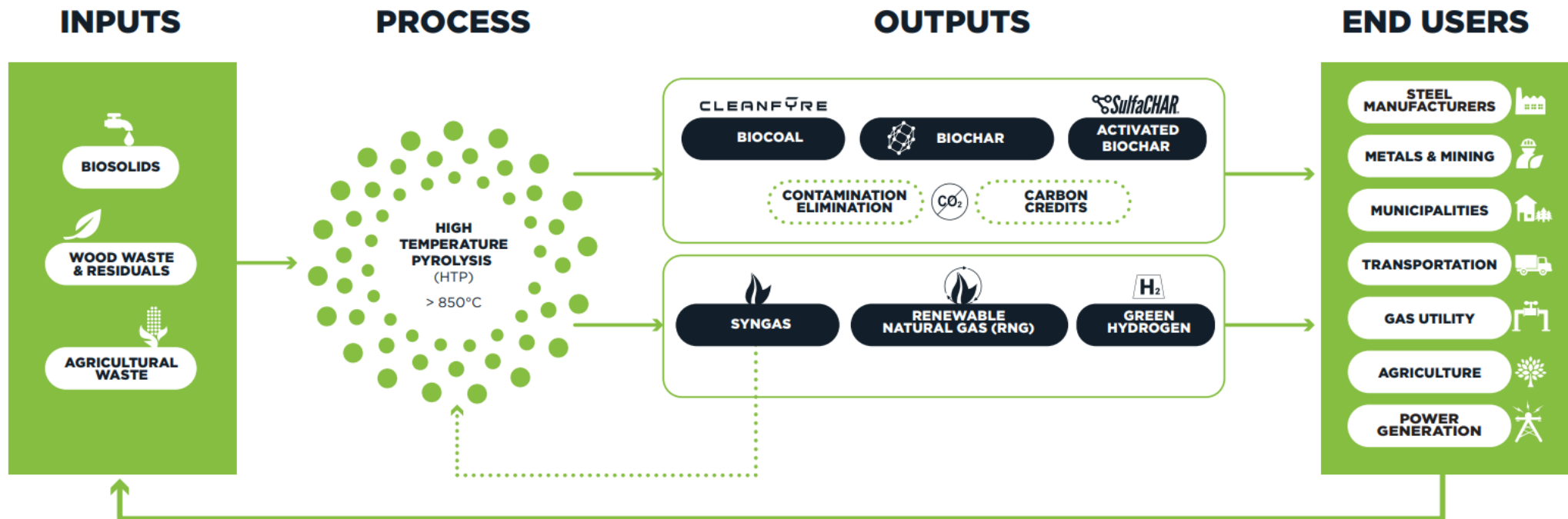
Statements in this presentation, to the extent not based on historical events, constitute forward-looking statements. Forward-looking statements include, without limitation, statements evaluating market and general economic conditions, and statements regarding future-oriented costs and expenditures and expected revenue. Investors are cautioned not to place undue reliance on these forward-looking statements, which reflect management's analysis only as of the date thereof. These forward-looking statements are subject to certain risks and uncertainties that could cause actual results to differ materially. Such risks and uncertainties with respect to the company include the effects of general economic conditions, actions by government authorities, uncertainties associated with legal proceedings and negotiations, competitive pricing pressures and mis-judgements in the course of preparing forward-looking statements. Readers are cautioned that there can be no assurance that the Company will be able to enter into definitive agreements for, or otherwise proceed with or realize upon, the potential opportunities referred to in this presentation on timely basis or at all, nor that the nature and scope of such potential opportunities will ultimately be as described herein or as to the extent of any financial, operational or other benefits which may be realized by the Company in proceeding with such potential opportunities.

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Forward-looking information is necessarily based on a number of opinions, estimates and assumptions that management considered appropriate and reasonable as of the date such statements are made, and is subject to known and unknown risks, uncertainties, assumptions and other factors that may cause the actual results, level of activity, performance or achievements to be materially different from those expressed or implied by such forward-looking information, including but not limited to those described under the heading "Risk Factors" in our 2023 annual MD&A for the fiscal year ended September 30, 2023.

We caution that the list of risk factors and uncertainties under the heading "Risk Factors" is not exhaustive and other factors could also adversely affect our results. Readers are urged to consider the risks, uncertainties and assumptions carefully in evaluating the forward-looking information and are cautioned not to place undue reliance on such information.

What We Do



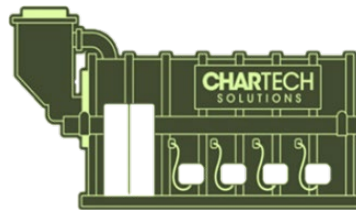
VALUE PROPOSITION



Wood Waste to Renewable Energy Process



1 CHAR Kiln Processes
37,500 Tonnes of Wood
Waste per Year



Closed Loop System

- Carbon negative
- Heats wood waste without oxygen
- Materials do not burn
- No harmful emissions or odours



Renewable Natural Gas or Green Hydrogen 250,000 GJ/yr

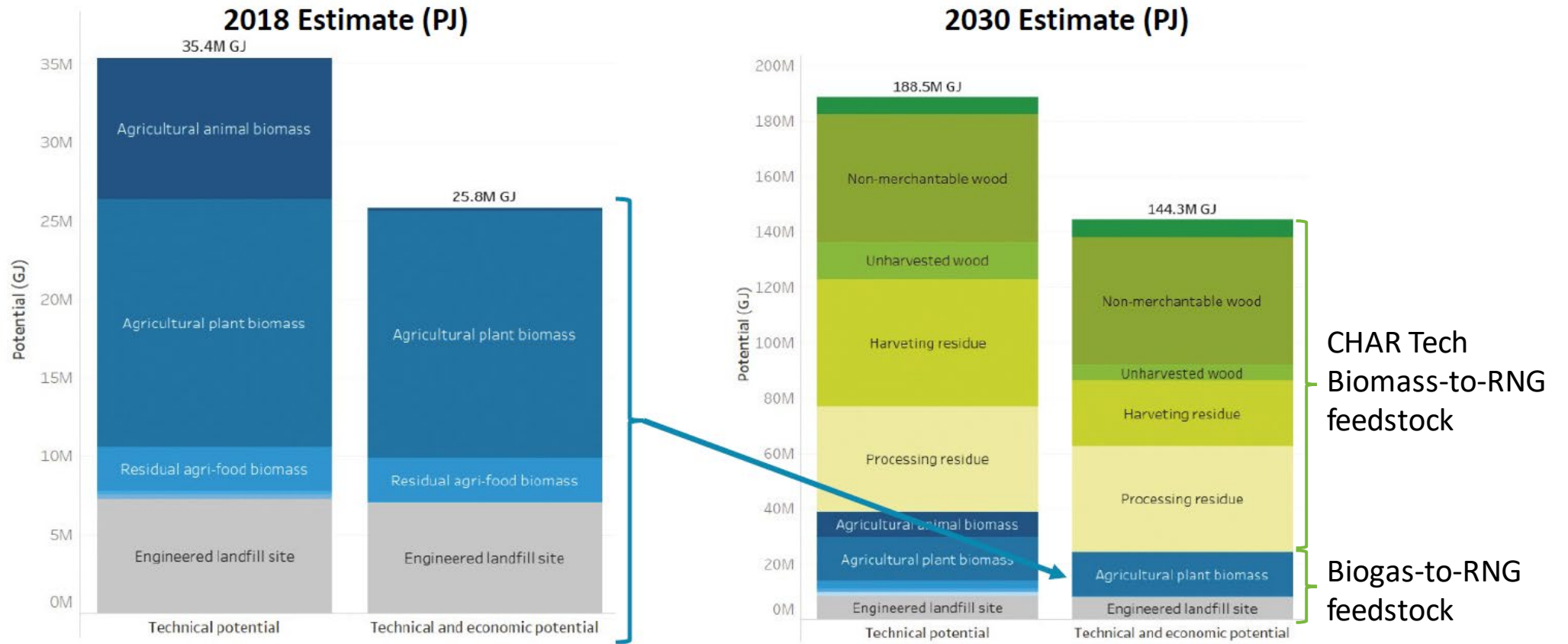
- Pipeline quality gas
- Fully interchangeable with conventional natural gas
- RNG for 5,500 homes
- Markets pay significant premiums



Biocoal / Biochar 5,000 tonnes/yr

- Biocoal drop-in replacement for steelmaking coal or;
- Biochar carbon credit generation

Biomass RNG Opportunity – Québec Example



Securing Long Term Wood Waste Supply



Partnership Signing Between LNFMI and CHAR



Lake Nipigon RNG and Biocoal Facility Site March 2024

CHAR Tech has partnered with the four First Nation communities of Lake Nipigon Forest Management Inc who hold the Sustainable Forest License (SFL) on the Lake Nipigon Forest.

The LNFMI partnership secures the long-term supply of 500,000 tonnes/yr of wood wastes so CHAR Tech can focus on delivering innovative projects in development.

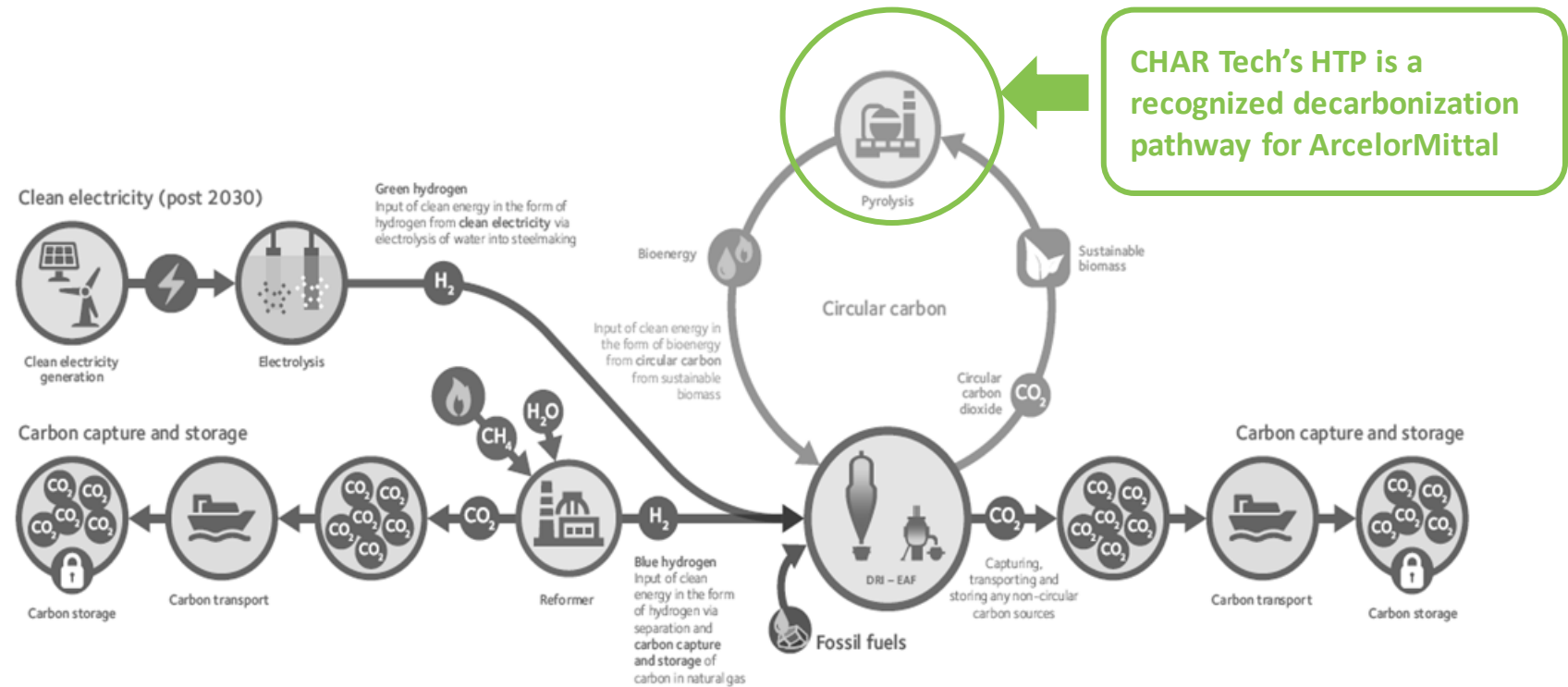
1 CHAR HTP kiln can process 37,500 tonnes of wood waste to generate an estimated revenues of \$10M/yr. Processing 500,000 tonnes/yr of wood would represent >\$100M in revenue potential.

Industrial Decarbonization – Biocoal/Biocarbon ArcelorMittal Strategic Partnership & Investment



ArcelorMittal

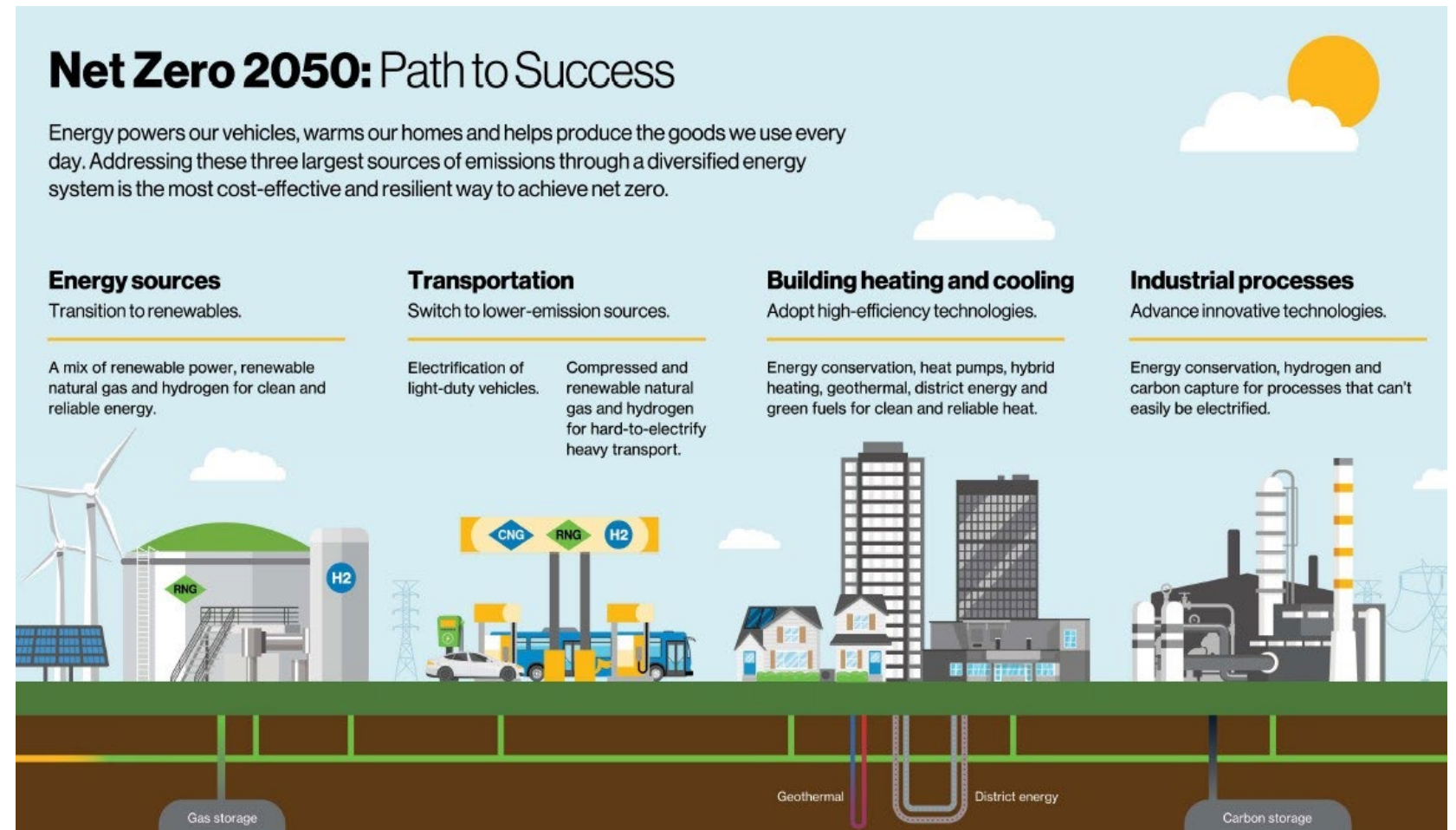
- Invested \$6.6M equity at \$0.60 in July 2023
- ArcelorMittal is the primary purchaser of CHAR's biocoal
- CHAR Tech is the only Canadian company selling biocoal to steelmakers



ArcelorMittal Climate Action Report 2 – July 2021

Industrial Decarbonization – Renewable Natural Gas (RNG) Sells at a Large Premium to Natural Gas

- Utilities such as FortisBC and Énergir are signing 20-year RNG sales agreements with RNG producers, like CHAR, between \$21-\$45 per gigajoule (GJ)
- CHAR Tech’s Thorold facility will produce 500,000 GJ in 2025
- CHAR Tech’s pipeline of projects lays out the pathway for over 3M GJ of RNG production



Courtesy of Enbridge

\$19.4M in Non-Dilutive Government Support

Job creation, forestry industry support, industrial decarbonization

Clean Fuels Fund

- \$6.6M non-repayable grant to support FEED study for 5 HTP projects

Investment in Forest Industry Transformation

- \$4.9M non-repayable grant to support Thorold project

Forest Sector Investment & Innovation Program

- \$6.4M, 50% non-repayable, 50% repayable, to support Thorold project

Federal Economic Development Agency

- \$1.5M, repayable



Active Projects in Construction

CHAR Tech Thorold



Type: CHAR Tech Build, Own, Operate

Input: Clean Woodwaste

Outputs:

- 10,000 Tonnes/yr Biocarbon (biocoal)
- 500,000 GJ/yr Renewable Natural Gas (RNG)

Synagro U.S.A.



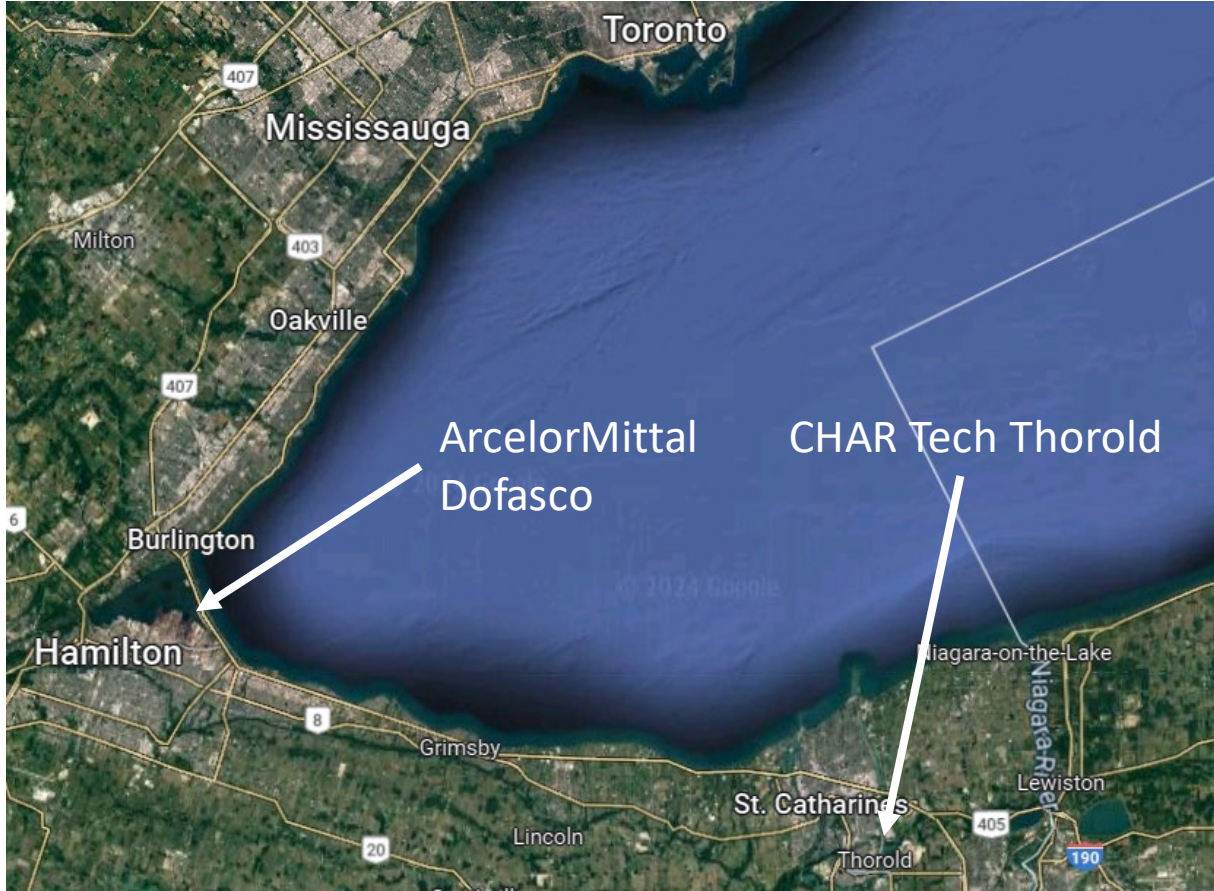
Type: Client owned

Input: Dried biosolids

Outputs:

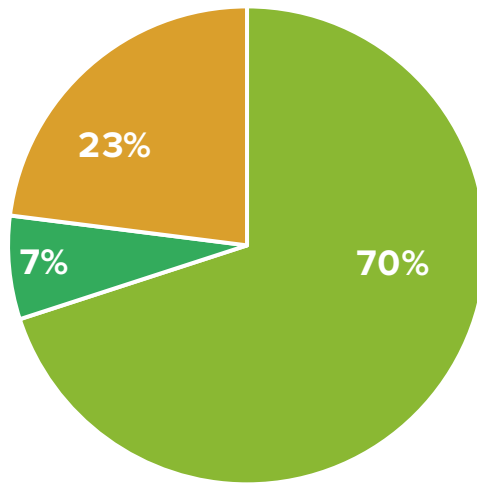
- PFAS destruction
- Biochar
- Clean syngas for thermal applications

Thorold Location



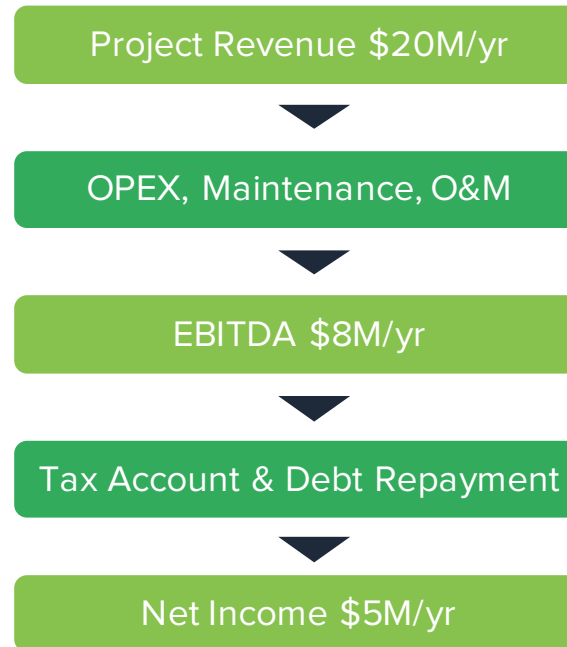
Project Economics and Capital Structure

Projected Source of Funds



■ Debt ■ Equity ■ Grants

CHAR Economics Model



CHAR Capital Structure

TSXV: YES – April 2024

- 99 million basic shares (106.9 million FD)
- 17% insider ownership
- 11.7% strategic ArcelorMittal ownership
- \$40 million basic market cap (\$0.40 share price)

Active and Proposed Project Locations



Project	RNG (GJ/yr)	Biocoal (tonnes/yr)	Projected Project Revenue Run		
			2024	2025	2026
In Construction					
Thorold, ON	500,000	10,000	\$5M	\$20M	\$20M
In Development					
Lake Nipigon, ON	500,000	10,000		\$5M	\$20M
Kirkland Lake, ON	500,000	10,000		\$5M	\$20M
Saint-Félicien, QC	250,000	5,000		\$2.5M	\$10M
Feasibility Study Funded					
Terrace, BC	500,000	10,000			\$5M
Drayton Valley, AB	500,000	10,000			\$5M
La Sarre, QC	500,000	10,000			\$2.5M
Totals:	3,250,000	65,000	\$5M	\$32.5M	\$82.5M

Key Leadership Profiles



Andrew White, Chief Executive Officer, Co-Founder

Andrew has a MASc degree in Chemical Engineering from the University of Toronto and after a eureka moment in the lab, launched CHAR Technologies. He also has a Master's Degree in Business, Entrepreneurship and Technology (MBET) from the University of Waterloo. He's been named the OBBA's Young Entrepreneur of the Year, and led CHAR to be named the CIX Top 20 Most Innovative Public Companies.

Galen Cranston, Stakeholder Relations

Galen is an established stakeholder relations professional with experience working with both elected and non-elected officials at all levels of government. He is responsible for the building and maintenance of strategic relationships that align with CHAR's key priorities and global vision.

James Sbrolla, Director

James is a veteran of the financial and environmental industries. His career has been focused primarily on public and private companies in the clean-technology sector. James is also an Entrepreneur in Residence in the Business Accelerator Program at RIC Centre and MaRS. He also is a qualified expert for the Investment Accelerator Fund and sits on the Ontario Centres of Excellence funding panel as a Cleantech domain expert.

Robert Sinyard, Chief Operating Officer

Rob oversees the company's corporate operations and sales. Robert holds a Master of Business Administration from the Rotman School of Management at the University of Toronto.

Raquel Insa, Chief Financial Officer

Raquel holds an International MBA from IE Business School in Madrid and a Corporate Finance Masters from UCLA's Anderson School of Business. Raquel has previously served in key financial leadership roles at the Quasar Consulting Group and Terrapex Environmental Ltd where she delivered industrial projects across a wide range of sectors including large infrastructure construction, geothermal, oil and gas, and mining.

Lewis Smith, Chief Commercial Officer

Lewis has 20+ years of experience providing strategic and creative solutions. Lewis holds a Master of Laws in International Business Law from the London School of Economics and Political Science, a Bachelor of Laws from Osgoode Hall Law School, and a Bachelor of Arts in Financial & Economic Studies from Western University.

Jamieson Bondarenko, CFA, CMT, Capital Markets

Jamieson is an investor and provides strategic capital markets advice to disruptive companies. He is currently the Chairman of BriaCell Therapeutics and Advisor with MustGrow Biologics. Jamieson has an extensive capital markets background including Equity Capital Markets and Investment Banking positions at Eight Capital, Dundee, and HSBC.