

3D Render of mine entries to underground



GROUNDHOG NORTH UNDERGROUND
Supplementary Pre-Feasibility Study

 **Atrum Coal**
COAL FOR STEEL



IMPORTANT INFORMATION

Important Information

This presentation has been prepared and issued by Atrum Coal NL ("the Company") to inform interested parties about the Company and its progress. The material contained in this presentation sets out general background information on the Company and its activities. It does not constitute or contain an offer or invitation to subscribe for or purchase any securities in the Company nor does it constitute an inducement to make an offer or invitation with respect to those securities. No agreement to subscribe for or purchase securities in the Company will be entered into on the basis of this presentation.

The information supplied is in summary form and does not purport to be complete. The Company, its directors, officers, employees, agents, affiliates and advisers have not verified the accuracy or completeness of the information, statements and opinions contained in this presentation. Accordingly, to the maximum extent permitted by law, the Company makes no representation and gives no assurance, guarantee or warranty, express or implied, as to, and takes no responsibility and assumes no liability for, the authenticity, validity, accuracy, suitability or completeness of, or any errors in or omission from, any information, statement or opinion contained in this presentation.

You should neither act nor refrain from acting in reliance on this presentation material. This overview of the Company does not purport to contain all information that its recipients may require in order to make an informed assessment of the Company's prospects. You should conduct your own investigation and perform your own analysis in order to satisfy yourself as to the accuracy, and completeness of the information, statements and opinions contained in this presentation and when making any decision in relation to this presentation or the Company. The information in this presentation does not take into account the objectives, financial situations or needs of any particular individual. You should consider seeking independent professional advice based on your own objectives. To the extent permitted by law the Company, its directors, officers, employees, agents, affiliates and advisers exclude any and all liability (including, without limitation, in respect of direct, indirect or consequential loss or damage or loss or damage arising out of negligence) arising as a result of the use of anything contained in or omitted from this presentation.

All statements, other than statements of historical fact, included in the presentation, including without limitation, statements regarding forecast cash flows, future expansion plans and development objectives of the Company are forward-looking statements. Although the company believes that the expectations reflected in such forward-looking statements are reasonable, they involve subjective judgement, assumptions and analysis and are subject to significant risks, uncertainties and other factors, many of which are outside the control or, and are unknown to the Company. Accordingly, there can be no assurance that such statements or expectations will prove to be accurate and actual results and future events may differ materially from those anticipated or described in this presentation. Historic information is not an indication or representation about the future activities of the Company.

The Company disclaims any obligation or undertaking to disseminate any updates or revisions to any information contained in this presentation reflect any change in expectations, events, conditions or circumstances on which that information is based.

This presentation is provided on a strictly private and confidential basis, to be used solely by the recipient. Neither this presentation nor any of its contents may be reproduced or used for any other purpose without the prior written consent of the Company. In accepting this presentation, the recipient agrees that it is provided solely for its use in connection with providing background information on the Company and that it is not used for any other purpose.

Competent Person Statement

Exploration Results

The information in this document that relates to Exploration Results is based on information compiled by Mr Nick Gordon, who is a Member of the Australasian Institute of Mining and Metallurgy and is a full-time employee of Gordon Geotechniques Pty Ltd. Mr Gordon has read and understands the requirements of the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code, 2012 Edition). Mr Gordon is a Competent Person as defined by the JORC Code, 2012 Edition, having twenty eight years' experience that is relevant to the style of mineralisation and type of deposit described in this document.

Neither Mr Gordon nor Gordon Geotechniques Pty Ltd have any material interest or entitlement, direct or indirect, in the securities of Atrum or any companies associated with Atrum. Fees for the preparation of this report are on a time and materials basis. Mr Gordon recently visited the Groundhog project area on 21st March 2014 whilst exploration personnel were preparing for the next drilling program. Two days were also spent with Atrum geological personnel in Victoria, British Columbia evaluating the geological, coal quality and geotechnical information relevant to the Groundhog project area.

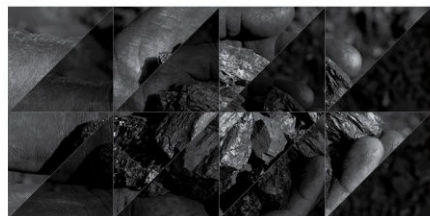
Coal Resources

The coal resources documented in this report were estimated in accordance with the guidelines set out in the JORC Code, 2012. They are based on information compiled and reviewed by Mr Nick Gordon, who is a Member of the Australasian Institute of Mining and Metallurgy and is a full-time employee of Gordon Geotechniques Pty Ltd.

With more than 28 years of experience in open cut and underground coal mining, Mr Gordon has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration to qualify him as a Competent Person as defined in the JORC Code, 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves."

Neither Mr Gordon nor Gordon Geotechniques Pty Ltd have any material interest or entitlement, direct or indirect, in the securities of Atrum or any companies associated with Atrum. Fees for the preparation of this report are on a time and materials basis. Mr Gordon recently visited the Groundhog project area on 21st March 2014 whilst exploration personnel were preparing for the next drilling program. Two days were also spent with Atrum geological personnel in Victoria, British Columbia evaluating the geological, coal quality and geotechnical information relevant to the Groundhog project area.

Mr Gordon consents to the inclusion in the report of the matters based on the information, in the form and context in which it appears.



PFS COMPARISON

SPFS enabled by resource upgrade and value engineered mine planning

	PFS (MAY)	SPFS (OCTOBER)	
Mining Method	Underground	Underground	
Life of Mine	16yrs	38yrs	+138%
JORC Coal Resource	305Mt	609Mt	+100%
Mineable ROM	75Mt	176Mt	+135%
Annual Saleable Production (LOM Average)	3.2Mtpa	3.2Mtpa	
FOB Production Cost (average LOM / inc royalties)	\$89/t	\$86/t	-3.4%
All-in Capital Cost (owner operator / excluding sustaining)	\$631M	\$596M	-5.5%
Max. Capital Drawdown to Operational Cash Flow	\$229M	\$171M	-25.3%
Projected off Balance Sheet Capital	\$377M	\$293M	
Minimum Capital to Small Scale Production	\$77M	\$58M	-24.7%
Projected First Coal Sales	H2 2015	H2 2015	
Post-tax NPV10 (nominal)	A\$1,040M	A\$1,685M	+62%
Post-tax IRR (nominal)	39%	42%	
Post-tax LOM Free Cash Flow (nominal)	A\$3,360M	A\$11,159M	+232%

All figures expressed in USD unless otherwise stated.



GROUNDHOG NORTH UNDERGROUND MINE

Optimised PFS has yielded further compelling results

Asset Description	
Ownership	100%
Location	British Columbia, Canada
JORC Resources	1.57Bt (609Mt at Groundhog North)
Coal Type	High Grade and Ultra-high Grade Anthracite
Groundhog North Underground Mine	
Mining Method	Underground (adit into bord & pillar and mini-wall)
Mine Life	38 years
ROM production (avg)	5.4Mtpa
Saleable Production (avg)	3.2Mtpa
Products	52% sized products (avg. 10% ash) 48% non-sized product (avg. 10% ash)
Costs	
Max Capital Drawdown to Operating Cash Flow	\$171M
Operating (avg LOM)	\$86/t FOB cash (including royalties)
Revenue	
Sales Price	Wood Mackenzie \$186/t FOB (2014 real) (average received across all products)
Lump Products	Premium to HCC / Discount to export Coke
Non-sized Products	ULV PCI, sinter, breeze and specialty
Margin	Average margin \$100/t real (average for all products)

Highlights

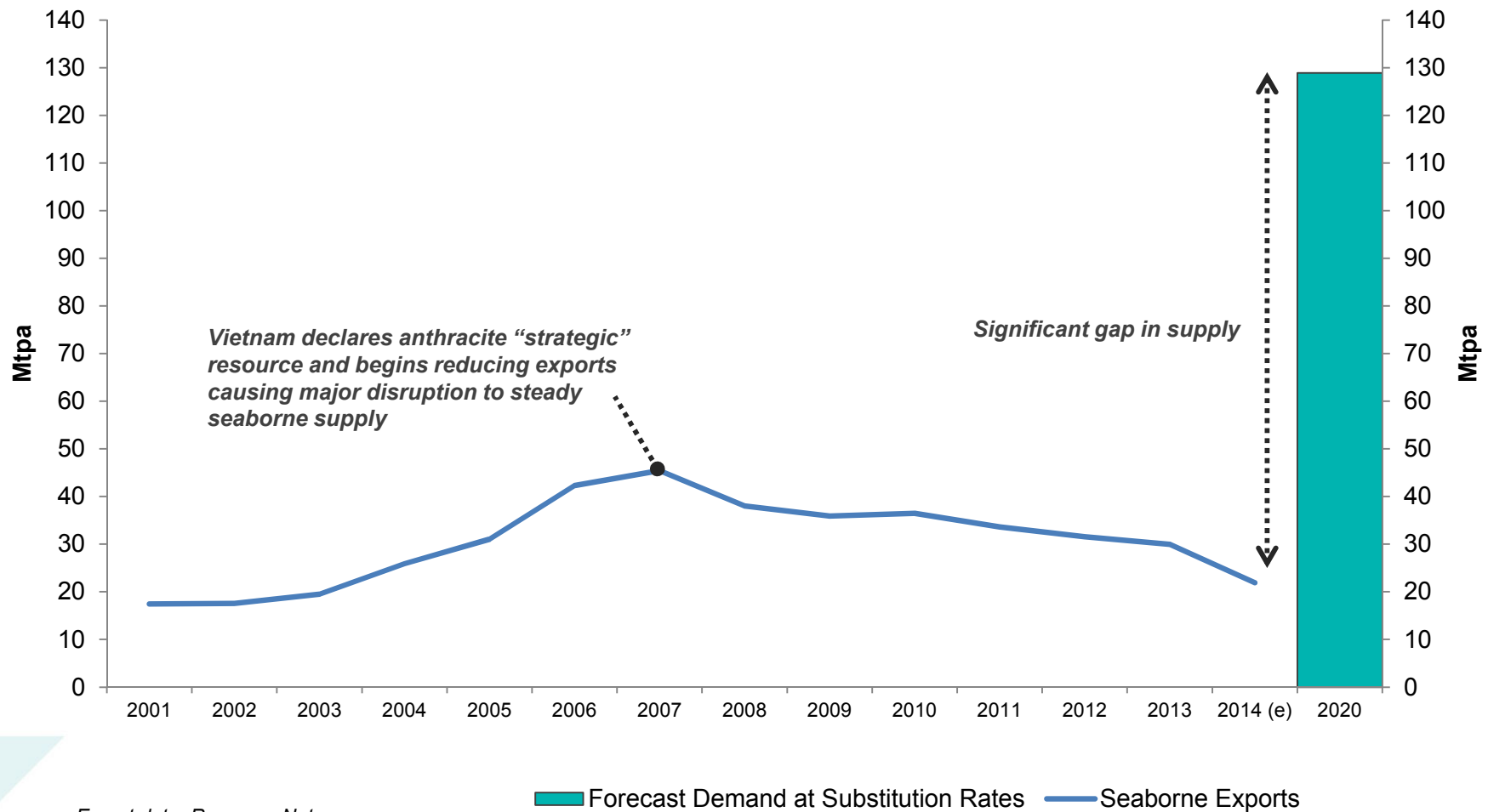
- ▶ Worlds largest undeveloped anthracite deposit 1.57Bt
- ▶ Low capital intensity (\$110/tac)
- ▶ Globally competitive operating costs
- ▶ Very low capital cost (\$58m) entry into development mining in 2H 2015
- ▶ Highest value metallurgical coal products
 - > Lump products currently selling in Japan and Korea at significant premium to hard coking coal
- ▶ Existing infrastructure enables export on non take-or-pay terms
 - > Road to Stewart Port
 - > Dedicated terminal available at Stewart Port
 - > Existing railhead 30km from mine
 - > Option to utilise Ridley &/or Westshore Terminals
- ▶ Capital requirements funded through minority asset stake sale in Groundhog North (GHN).
 - ▶ Completion in H1 2015



SHRINKING ANTHRACITE SUPPLY

Pricing swinging to demand driven market

Seaborne Anthracite Exports v Potential Demand Forecast



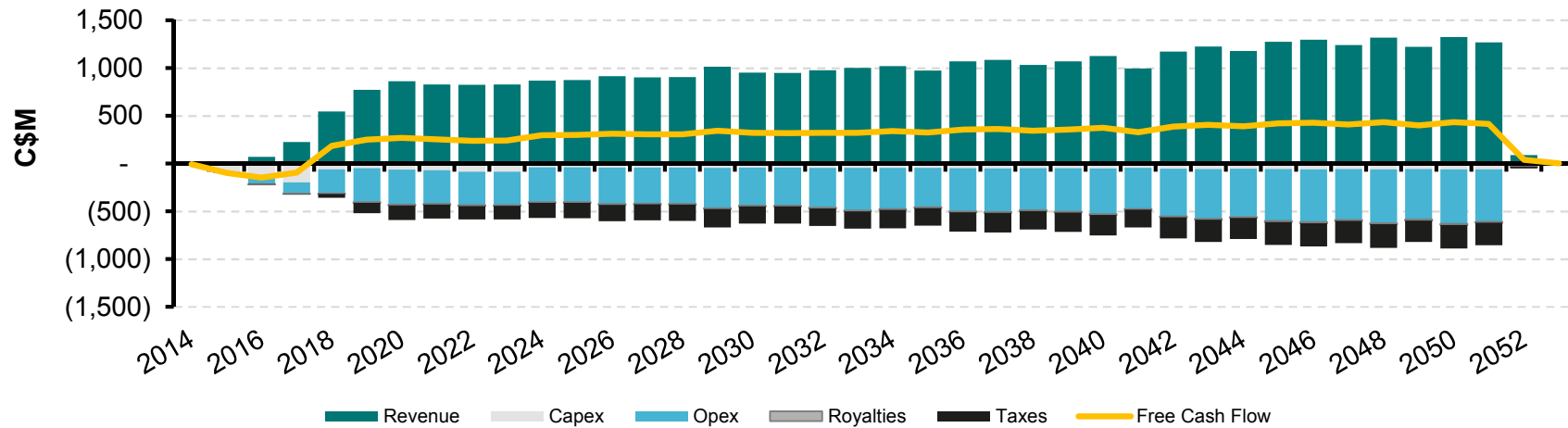
Export data: Resource Net
Demand data: Wood Mackenzie



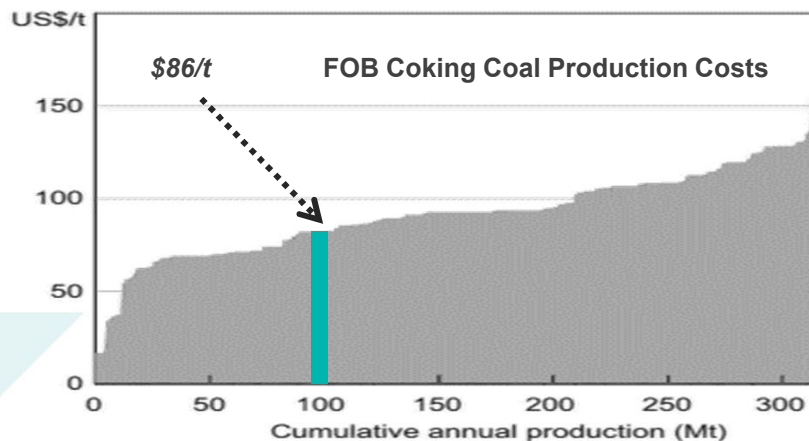
LOW COST COMPARED TO GLOBAL PEERS

Low cash costs, fast pay-back and long life asset

Groundhog North Cash Flow (nominal)



OPEX v Global Peers



Source: AME Group; RBA 2014

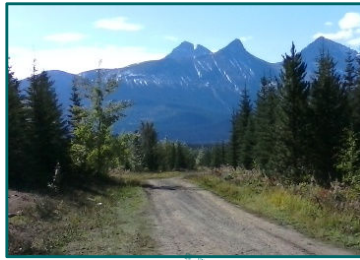
Highlights

- ▶ Optimised PFS based on:
 - ▶ Low entry CAPEX
 - ▶ Optimised LOM free cash flow under owner operator model
 - ▶ Low OPEX with average LOM operating profit of \$100/t (real)
 - ▶ Mine life extended to 38 years with total ROM production of 176Mt
- ▶ Cash costs in the bottom third globally
- ▶ First coal sales in 2015



PROJECT LOCATION

Strategically located with infrastructure secured



Highlights

- ▶ 219km route from Groundhog North to Stewart Port
- ▶ Forest service roads + State Highway
- ▶ Non take-or-pay contract at port
- ▶ Possible additional route via rail to Prince George



CAPITAL COSTS

Low capital due to efficient mine planning, owner operator model, and simple logistics upgrades

All-in Capital Expenditure (excl. sustaining, US\$)

Underground Mine Equipment & Development	\$395M
Surface Infrastructure	\$14M
Camp & Site Office	\$13M
CHPP	\$54M
Power (BC Hydro connection)	\$52M
Road	\$60M
Port Upgrade	\$8M
TOTAL	\$596M
ROM Capacity	5.4Mtpa
CAPEX per tonne annual capacity (tac)	\$110 /tac

Highlights

- ▶ Installed capacity at \$110/tac
- ▶ Total required capital: \$596M, with maximum drawdown of \$171M before operating cashflow on owner operator basis
- ▶ SPFS includes entire capital envelope:
 - ▶ Estimated 49% of total capital expenditure may be funded through leasing and other off balance sheet structures
 - ▶ Potential to increase to 59% depending on current negotiations with equipment suppliers
- ▶ Major underground mining equipment to provide:
 - ▶ Roadway development, mini-wall extraction, coal conveyance and piped services equipment.
- ▶ Modular CHPP includes static bath, dense medium cyclone and Reflux classifier, and belt press for dewatering fines
- ▶ A mains aerial power line will be constructed to connect Groundhog to the Eastern Transmission Line. Genset interim.
- ▶ Unsurfaced road for trucking access to Stewart via Highway 37. The road will be weatherproofed.
- ▶ Port upgrades at Stewart and appropriate storage facilities built proximal to the existing Stewart Port. Agreement in place to upgrade to 3Mtpa to match Groundhog North saleable tonnage



OPERATING COSTS

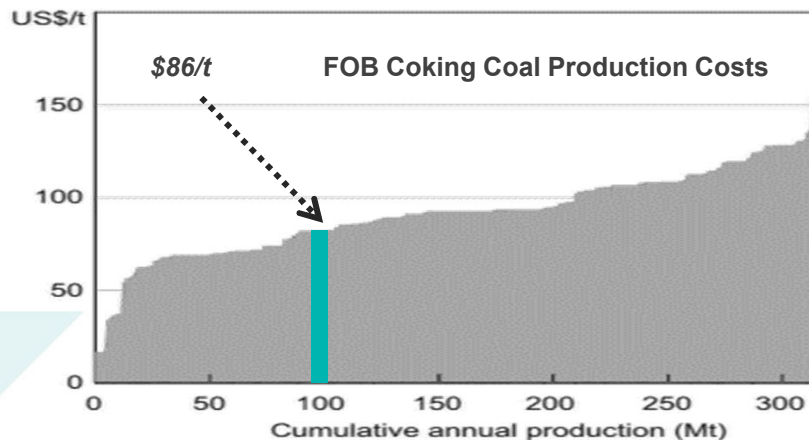
Cash costs in the lowest third of global peers

Forecast Operating Costs (LOM / US\$/t)

Mining	\$25
Processing	\$5
Yield	60%
Ex-mine (FOB/t)	\$50
Transport & Port	\$25
Other	\$11
Total Cash Cost (FOB/t)	\$86

FOB cash costs including Royalties

OPEX v Global Peers



Source: AME Group; RBA 2014

Highlights

- ▶ Mining costs are in lowest third, as simple mine layout with shallow access to surface enables efficient low cost operations
- ▶ CHPP will be modular, and employ DMC and static bath to enable beneficiation of multiple size products at different densities and ashes
- ▶ Yield is expected to improve above current model of 60% yield for premium products, as middlings products are investigated
- ▶ Transport via truck on dedicated 130km unsurfaced haul road to join paved highway approximately 90km from port. High capacity dedicated fleet of trucks will be operated under contract
- ▶ Port rates are low, and are contractually agreed
- ▶ Other costs include corporate overheads, site administration costs and royalties
- ▶ FOB costs to fall significantly if a dedicated rail option from GHN to Stewart Port is constructed



CAPITAL REQUIREMENTS

Project development capital to be funded through sell down of minority stake in Groundhog North U/G mine project.

Funding Options

- ▶ Sell down equity in Groundhog North H1 2105
- ▶ Lease finance equipment from suppliers

Capital Schedule & Revenues

	2014	2015	2016	2017	2018	2019
Annual Total Capital Expenditure	\$7M	\$82M	\$160M	\$198M	\$60M	\$48M
Total Operating Expenditure	-	-	\$54M	\$112M	\$234M	\$324M
Projected Sales (Mt)	-	0.1	0.34	1.06	2.25	3.34
Projected Sales Revenue	0	\$5	\$69M	\$226M	\$545M	\$772M
Project Sell Down	-	\$40M - \$70M	\$60M - \$180M	-	-	-
Leasing / Debt / Facility		\$30M - \$60M	\$60M - \$180M			



ANTHRACITE QUALITY & UTILISATION

High Grade and Ultra-high Grade Anthracite favoured for use in steel making

Indicative GHN Anthracite (washed 60% Yield)

Inherent Moisture (ad)	1.5%
Ash (ad)	10.0%
Volatile Matter (ad)	5.0%
Fixed Carbon (ad)	83.5%
Sulphur (ad)	0.60%
SE kcal/kg (gad)	7,350
SE kcal/kg (daf)	8,300
HGI	65

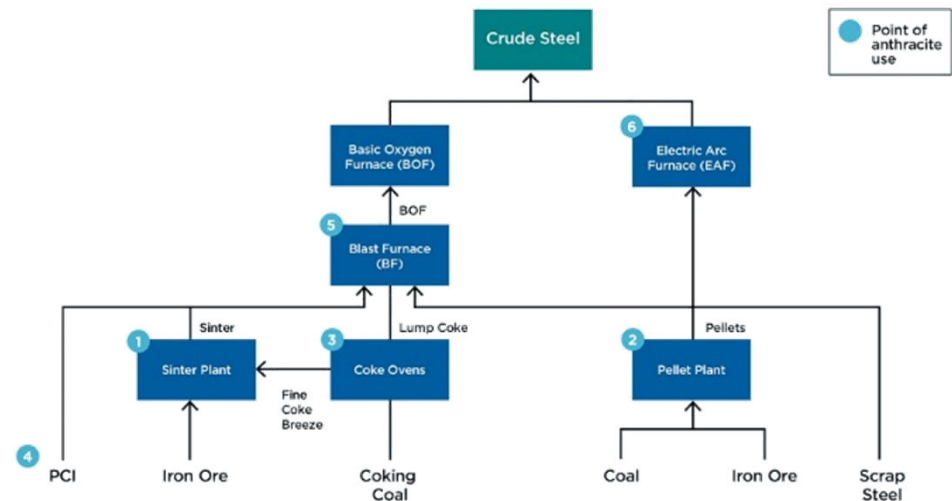
Highlights

- ▶ High Grade and Ultra-high Grade Anthracite with low ash, very high fixed carbon, and very low volatile matter
- ▶ Premium product sought by steel makers as carbon input
 - ▶ HG/UHG anthracite can replace up to 20% coke in BF/BOF with implied demand of 180Mtpa HG/UHG Anthracite
 - ▶ Can replace ULV PCI, and is a preferred reductant binder in sinter and pellet plant
- ▶ Other uses: charge carbon and foamy slag in electric arc furnaces and ilmenite production; feedstock in chemical plants, to make urea for fertilizers; as water filter media; as a reductant in specialty metals manufacture; home heating

Anthracite Replacement Ratio's

Anthracite as Input / Replacement	Carbon Substituted	Potential Substitution
1. Sinter plant fuel	Coke breeze	70%
2. Pellet plant fuel	Coke breeze; thermal coal	100%
3. Coking Coal	Suitable bituminous coals	5%
4. PCI	Other HV and LV coals	100%
5. Direct Blast Furnace charge	Coke	10%
6. EAF carbon additive	Coke / Petroleum coke	100%

Source: Wood Mackenzie





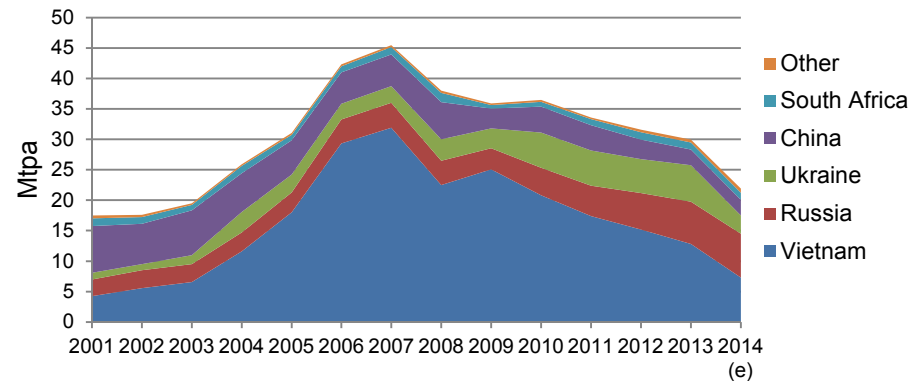
SHRINKING ANTHRACITE SUPPLY

Unlike other coals, anthracite supply is rapidly declining and demand is growing

Highlights

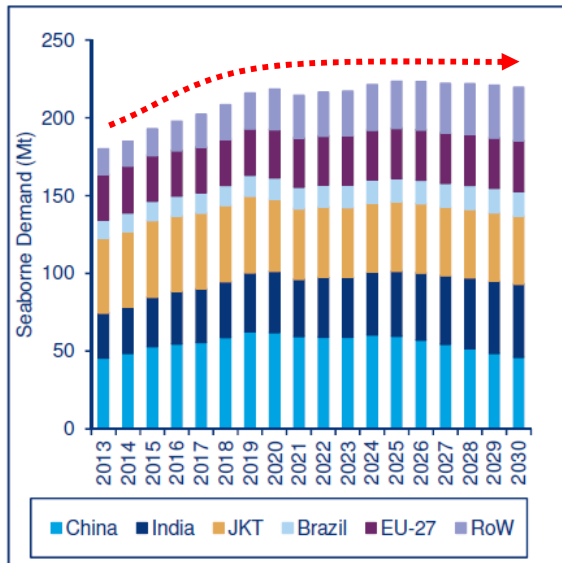
- ▶ Anthracite market supply is in rapid decline, with major suppliers Vietnam and China decreasing supply by over 70% in past 5 years
- ▶ Other major suppliers Russia and Ukraine are struggling to fill the void, with the war in eastern Ukraine making supply side very tight in 2014
- ▶ Continued scarcity of quality anthracite is likely to continue, as “carbon poor” countries realise the strategic value of this high carbon material

Global Seaborne Anthracite Supply



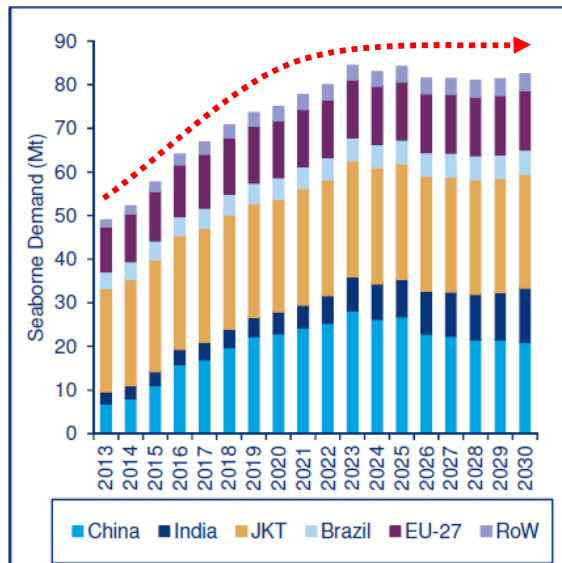
Source: Resource Net

Forecast HCC Demand



Source: Wood Mackenzie

Forecast PCI Demand



Source: Wood Mackenzie

Highlights

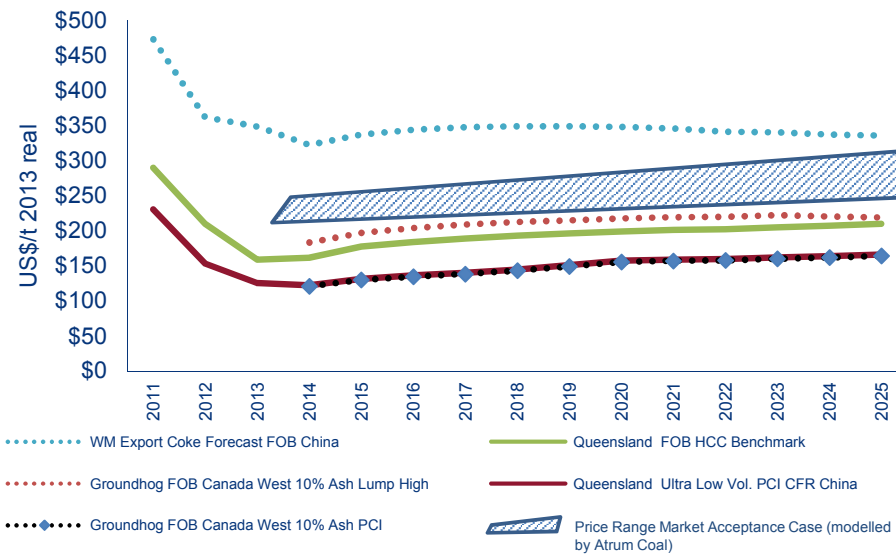
- ▶ Seaborne met coal markets are changing fast
- ▶ As Blast Furnace & Blast Oxygen Furnace technology advances, less coke is being used, and PCI rates are increasing rapidly (35% in last 5 years)
- ▶ Seaborne HCC to rise at 1.1% CAGR to 220Mtpa by 2030, with PCI to rise at 2.9% CAGR to reach 82Mtpa by 2030
- ▶ GHN's very high fixed carbon, low ash and very low volatile matter makes it attractive to steel makers and industrial businesses worldwide



PRICES & MARGINS

GHN operating cash costs are low. If operating in current market GHN would be the highest margin Canadian met coal producer

Wood Mackenzie Price Forecast - Groundhog Anthracite

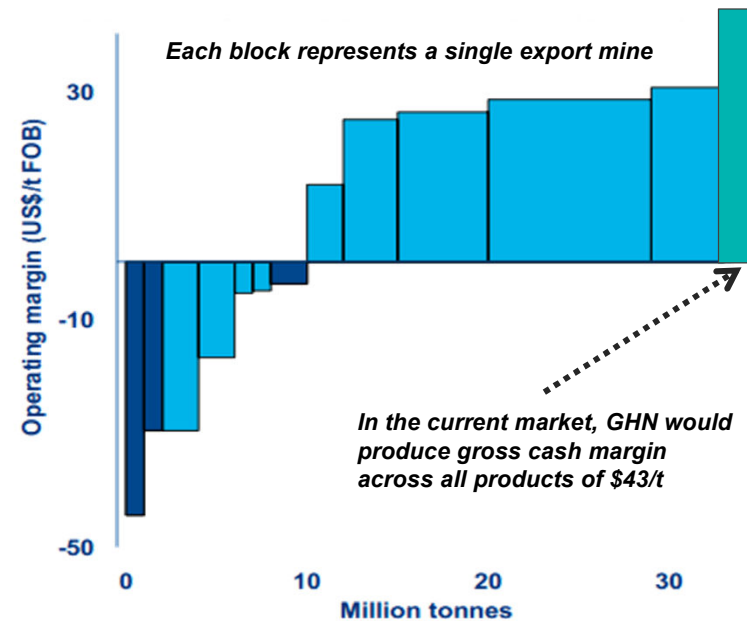


Source: Wood Mackenzie

Highlights

- ▶ Even in this market, GHN margins are strong
- ▶ Anthracite lumps currently trading at premium to hard coking coal (HCC):
 - ▶ 20% premium to HCC in Japan (\$140/t Tex Report)
 - ▶ 18% premium to HCC in Europe (\$150/t Resource Net)
 - ▶ 16% premium to HCC in China (950RMB/t Sxcoal.com)

2014 Canada metcoal margin @ HCC = US\$129.80/t



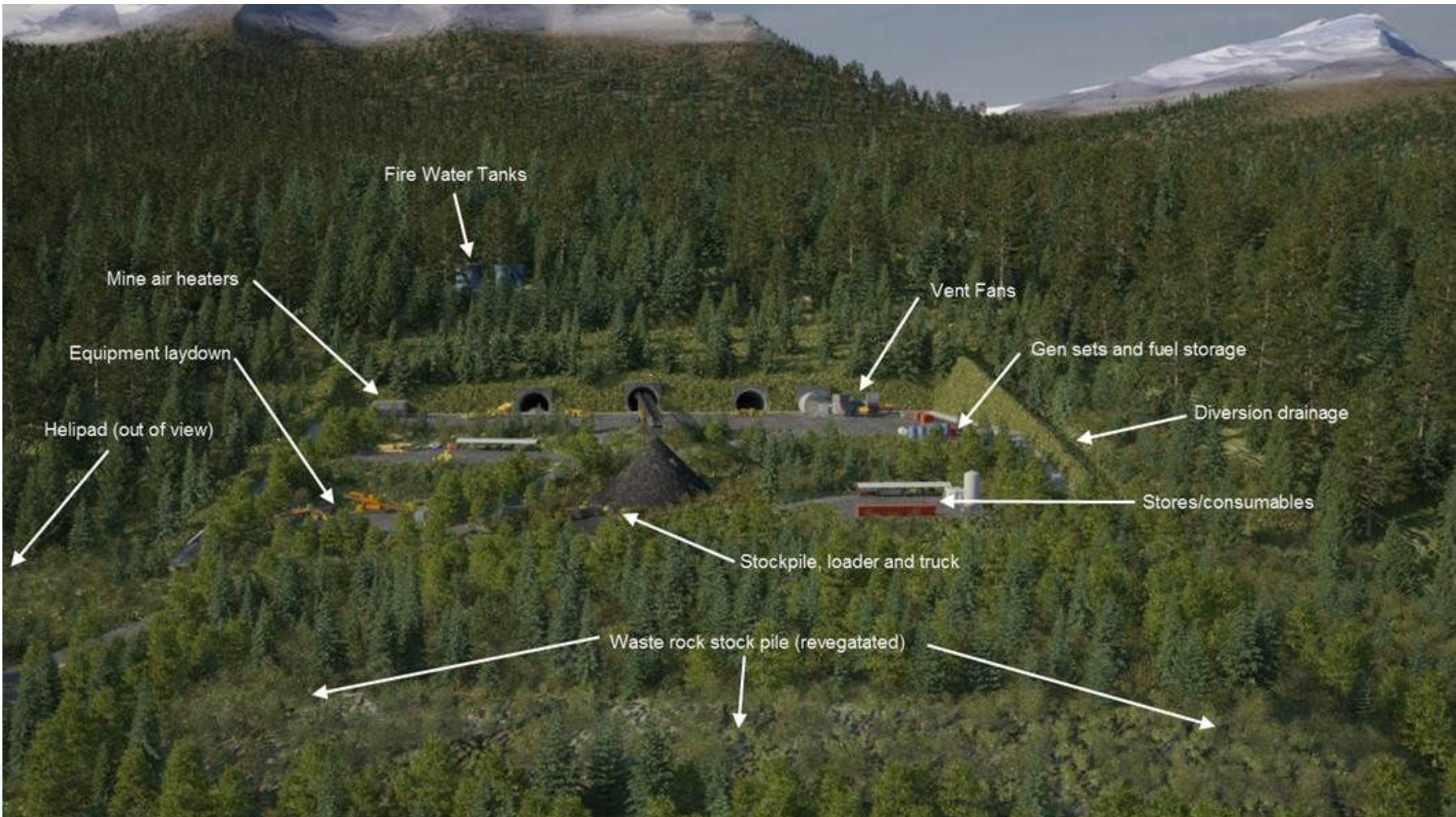
Source: Wood Mackenzie as presented at 2014 Canadian Coal Conference & Atrum Coal

Atrum margin hypothetical assessment assumes GHN mine in operation in 2014, with operating costs of \$86/t, and Lump price at 20% premium to HCC, and ULV PCI at 20% discount to HCC



LOW IMPACT MINE DESIGN

A low-risk adit entry, efficient underground mining by mini-wall



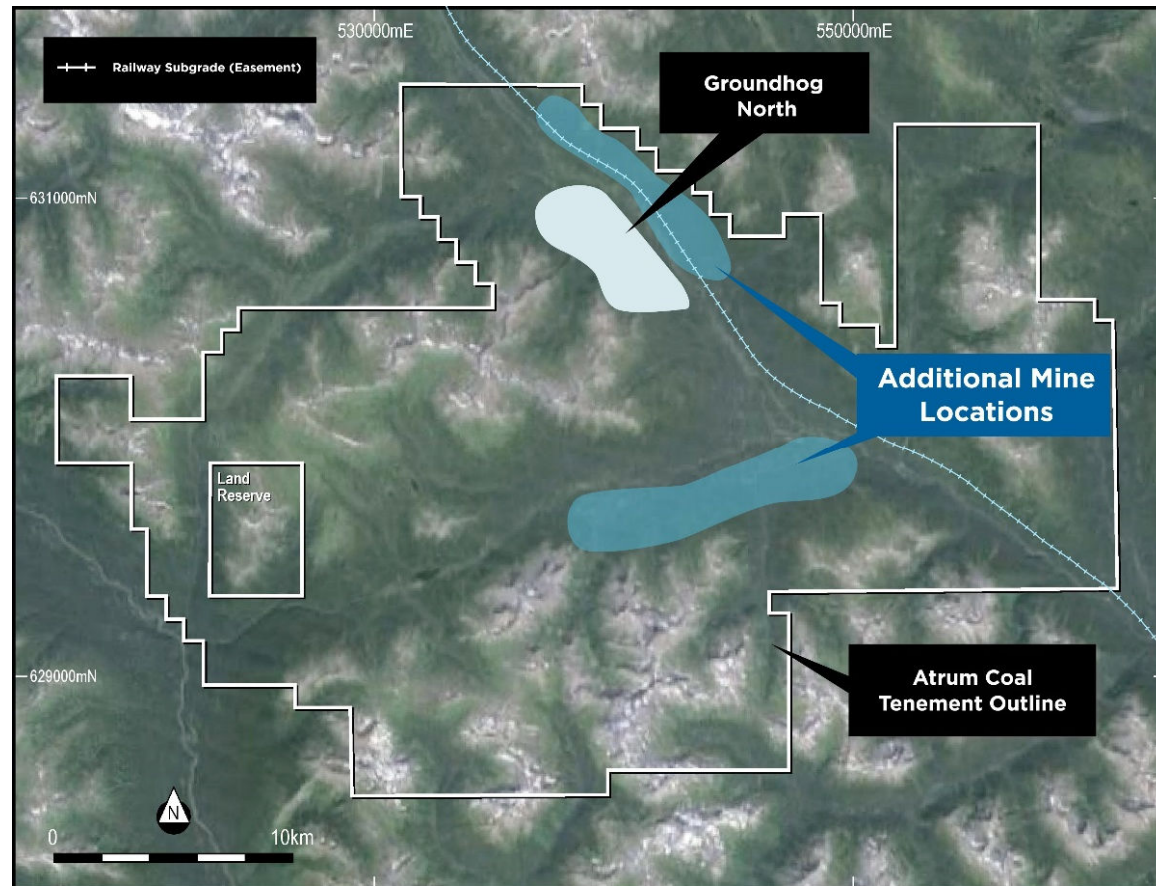


DEVELOPMENT OVERVIEW

Groundhog North Underground Mine is the first mine planned in the Groundhog Coalfield

Highlights

- ▶ Atrium is developing the world's largest high grade/ultra high grade anthracite resource
- ▶ 800km² total lease area
- ▶ 1.57Bt total JORC resources
- ▶ Staged development approach
 - ▶ Stage 1: Groundhog North (609Mt)
- ▶ Multi-mine long-term vision for follow-on stages over the coming decades:
 - ▶ Groundhog North East
 - ▶ Groundhog East
 - ▶ Groundhog Central
 - ▶ Groundhog South
- ▶ Develop appropriate low cost infrastructure to transport product to port, significantly reducing OPEX



Additional mine potential discovered at Groundhog



INFRASTRUCTURE ADVANTAGE

The Groundhog Coalfield has access to multiple ports via road and rail routes; PFS models 100% exports via Stewart Port



ROAD & RAIL

- ▶ Multiple routes by road to Port of Stewart (219km direct distance)
- ▶ Optional/Alternate route: 30km of rail easement with an upgrade required to link to existing rail
- ▶ Direct rail link to Ridley Coal Terminal at Port of Prince Rupert or Vancouver Metro; or sale at Prince George to Peace River coal mines who are seeking blending products to upgrade their coals



PORT

- ▶ Port Agreements in place with Stewart Bulk Terminal
- ▶ Attractive port handling charges on non 'take or pay' terms for 3.0Mtpa
- ▶ Further MOU with second loading option at Stewart World Port for a further 5Mtpa
- ▶ Negotiations with additional terminals continuing
- ▶ Reviews underway to transport product to Prince George as an expansion alternative



POWER

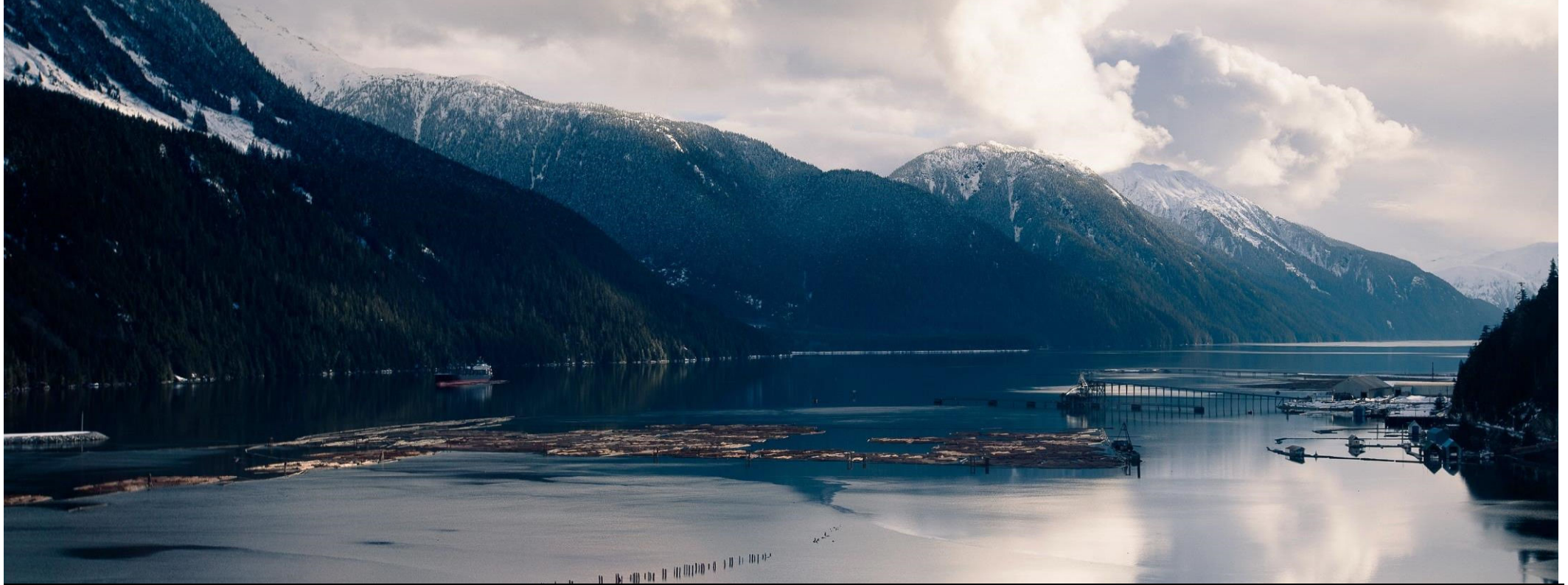
- ▶ Gensets preferred in early stages of production
- ▶ PFS models permanent power in place by 2018



WATER

- ▶ Local tributaries and creeks are in close proximity for year round water supply

"Clear path to production"



 **Atrum Coal**
COAL FOR STEEL

James Chisholm
Chairman
M +61 419 256 690
E james@atrumcoal.com

Russell Moran
Executive Director
M +61 415 493 993
E russell@atrumcoal.com

Gino D'Anna
Executive Director
M +61 400 408 878
E gino@atrumcoal.com

Ben Smith
VP Operations
M +61 424 458 465E
ben@atrumcoal.com

Theo Renard
VP Commercial
M +61 430 205 889
E theo@atrumcoal.com

Peter Doyle
VP Marketing & Business Development
M +61 404 643 116
E peter@atrumcoal.com

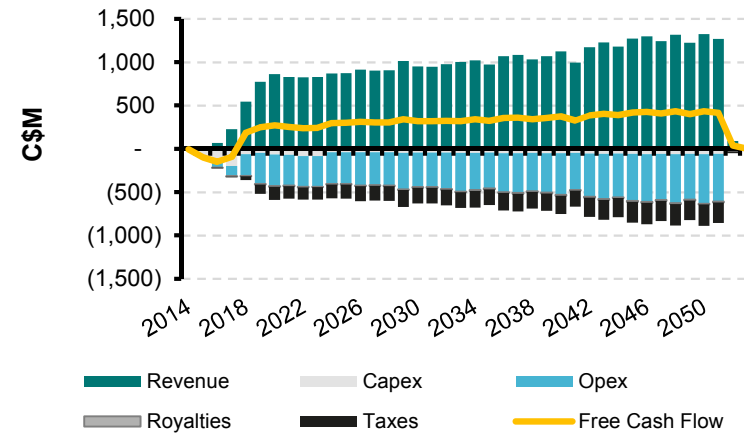


SUMMARY SNAPSHOT

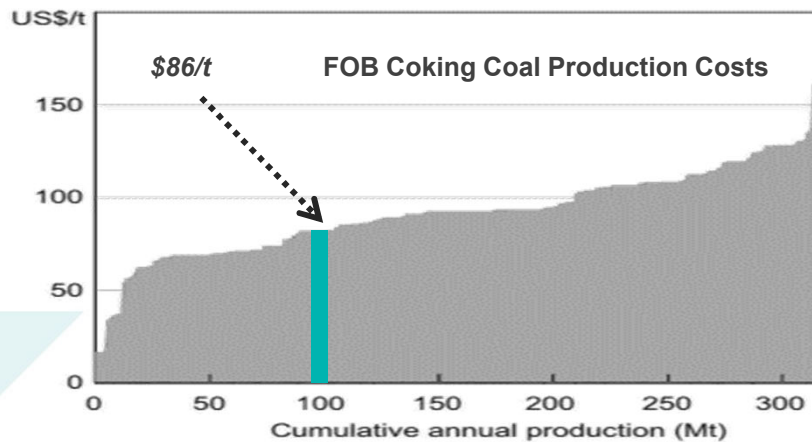
PFS v SPFS

	PFS (May)	SPFS (October)
Mining Method	Underground	Underground
Life of Mine	16yrs	38yrs
Coal Resource	305Mt	609Mt
Mineable ROM	75Mt	176Mt
Production: Saleable (Avg/yr)	3.2Mtpa	3.2Mtpa
Production Cost (Avg FOB/t incl Royalties)	\$89/t	\$86/t
All-in Capital Cost (excluding sustaining)	\$631M	\$596M
Max Capital Drawdown to Operational Cash Flow	\$229M	\$171M
Projected off Balance Sheet Capital	\$377M	\$293M
Minimum Capital to Small Scale Production	\$77M	\$58M
Projected First Coal Sales	H2 2015	H2 2015
Valuation (post tax NPV ₁₀ nominal)	A\$1,040M	A\$1,685M
IRR (post tax nominal)	38.5%	42%
LOM Free Cash Flow (post-tax nominal)	A\$3,360M	A\$11,159M

Groundhog North Cash Flow



OPEX v Global Peers



Source: AME Group; RBA 2014

Seaborne Anthracite Exports v Potential Demand Forecast

