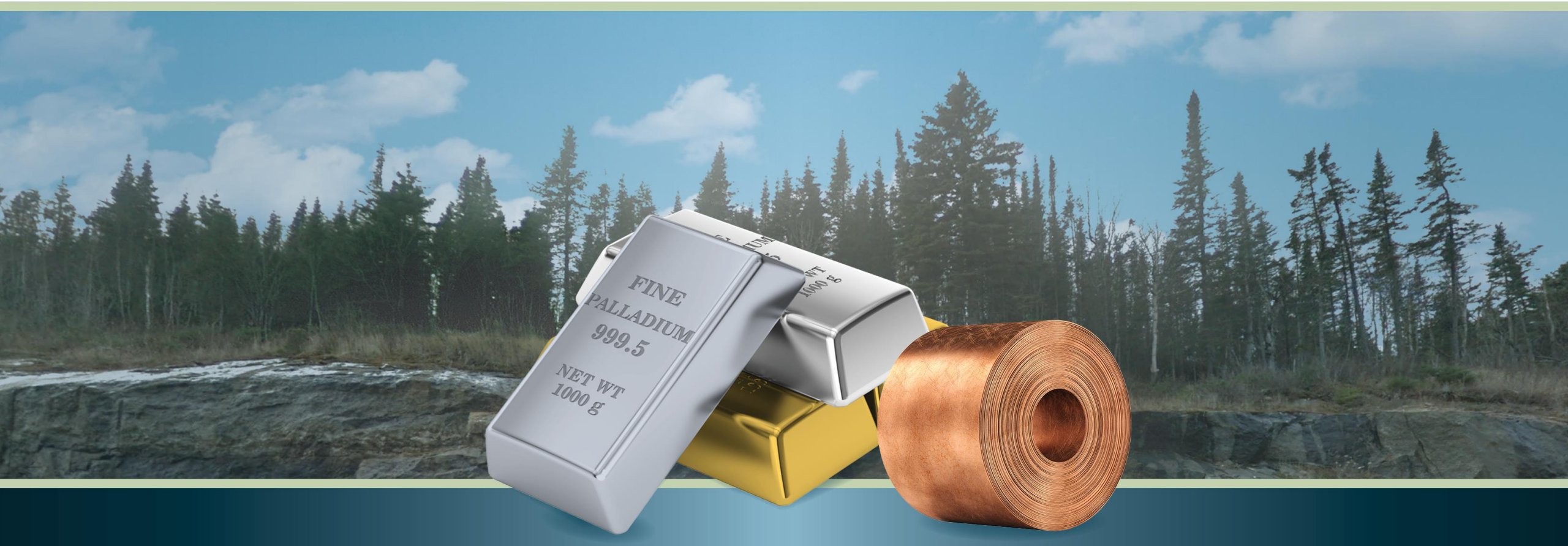
GENERATIONMINING



MARATHON PALLADIUM – COPPER MINE

CRITICAL MINERALS FOR FUTURE GENERATIONS

March 2023

FORWARD-LOOKING INFORMATION

This presentation contains certain forward-looking information and forward-looking statements, as defined in applicable securities laws (collectively referred to herein as "forward-looking statements"). Forward-looking statements reflect current expectations or beliefs regarding future events or the Company's future performance. All statements other than statements of historical fact are forward-looking statements. Often, but not always, forward-looking statements can be identified by the use of words such as "plans", "expects", "is expected", "budget", "scheduled", "estimates", "continues", "forecasts", "projects", "predicts", "intends", "anticipates", "targets" or "believes", or variations of, or the negatives of, such words and phrases or state that certain actions, events or results "may", "could", "would", "should", "might" or "will" be taken, occur or be achieved, including statements relating to the Company's Feasibility Study and results therefrom (including NPV, IRR, capital and operating costs and other financial metrics), Mineral Resource and Mineral Reserve potential, exploration plans. All forward-looking statements, including those herein are qualified by this cautionary statement.

Although the Company believes that the expectations expressed in such statements are based on reasonable assumptions, such statements are not guarantees of future performance and actual results or developments may differ materially from those in the statements. There are certain factors that could cause actual results to differ materially from those in the forward-looking information. These include commodity price volatility, continued availability of capital and financing, uncertainties involved in interpreting geological data, increases in costs, environmental compliance and changes in environmental legislation and regulation, the Company's relationships with First Nations communities, exploration successes, and general economic, market or business conditions, as well as those risk factors set out in the Company's annual information form, the Technical Report that the Company will file in connection with the Feasibility Study and in the continuous disclosure documents filed by the Company on SEDAR at www.sedar.com. Readers are cautioned that the foregoing list of factors is not exhaustive of the factors that may affect forward-looking statements. Accordingly, readers should not place undue reliance on forward-looking statements. The forward-looking statements in this presentation speak only as of the date of this presentation or as of the date or dates specified in such statements.

Forward-looking statements are based on a number of assumptions which may prove to be incorrect, including, but not limited to, assumptions relating to: the availability of financing for the Company's operations; operating and capital costs; results of operations; the mine development and production schedule and related costs; the supply and demand for, and the level and volatility of commodity prices; timing of the receipt of regulatory and governmental approvals for development projects and other operations; the accuracy of Mineral Reserve and Mineral Resource Estimates, production estimates and capital and operating cost estimates; and general business and economic conditions.

Investors are cautioned that any such statements are not guarantees of future performance and actual results or developments may differ materially from those projected in the forward-looking information. For more information on the Company, investors are encouraged to review the Company's public filings on SEDAR at www.sedar.com. The Company disclaims any intention or obligation to update or revise any forward- looking information, whether as a result of new information, future events or otherwise, other than as required by law.

INVESTMENT PROPOSITION

- Robust Feasibility Study Economics - March 2021
- Critical Minerals for a Decarbonizing Economy – Palladium & Copper
- Disciplined, Experienced Leadership Team
- Marathon Project – 13 year mine life in a tier one jurisdiction
- Environmental Assessment approvals from Federal Minister of Environment and Climate Change, and Ontario Minister of Environment on November 30, 2022
- Community Benefits Agreement reached with Biigtigong Nishnaabeg
- Project Financing Advancing led by stream with Wheaton Precious Metals,
- Debt Financing expected in near term – Export Development Corporation of Canada – potential lender

METALS FOR THE GREEN REVOLUTION!

GENERATIONMINING

TSX:GENM

OTCQB: GENMF

PALLADIUM

4.2 million oz*

Palladium is used in part to **scrub nitrous oxide from gasoline exhaust.** Nitrous oxide is 300 times more potent than CO_2 as a greenhouse gas.

COPPER

1.1 Billion lbs*

An electric car needs about 180 lbs of copper, more than four times that of a gasoline-powered vehicle. Current mine supply will not suffice.

PLATINUM

1.4 Million oz*

Hydrogen Fuel Cells need 1-2 ounces of platinum per vehicle. More is needed in the manufacture of hydrogen fuel.

** Based on the Mineral Resources (Measured and Indicated) for the Marathon Project.*

MANAGEMENT

GENERATIONMINING

TSX:GENM

OTCQB: GENMF

JAMIE LEVY **President, CEO & Director**

25 years in financing and management of Canadian mining companies. Was CEO of Pine Point Mining - acquired by Osisko Metals. Formerly Vice President of Pinetree Capital

BRIAN JENNINGS CPA, CA, B.Sc **CFO**

Extensive experience in financial management of resource companies, and formerly Vice-President Corporate Restructuring at Ernst and Young

ADAM SEGAL CA **General Counsel**

Spent 12 years with Sherritt International in a series of ever more senior roles culminating in the role of VP, Corporate Development. Prior to that he practiced law at Borden Ladner Gervais LLP

RUBEN WALLIN **VP, Sustainability**

Management experience in the areas of environment, permitting, Indigenous and community relations and government relations. Previously held positions - Placer Dome, De Beers Canada, Barrick, Osisko and Detour Gold. Formerly Vice President Environment and Sustainability for Detour Gold

DREW ANWYLL M.Eng, P.Eng **COO**

Formerly Senior VP, Technical Services, interim COO and VP, Operations - mine general manager at Detour Gold, also held senior operating positions at Barrick and Placer Dome

MAURO BASSOTTI P.Geo, **VP, Geology**

Formerly Senior Director Geology with Ma'aden. Previously held positions with Detour Gold, New Gold, Barrick and Placer Dome working in both open pit and underground operations

CHRISTOPHER STACKHOUSE CA **VP, Finance**

Spent seven years with Guyana Goldfields through a feasibility study, project financing and development and operation of US$250 million Aurora Gold Mine, departing as interim CFO. Former audit and assurance professional at PWC

ANN WILKINSON **VP, Investor Relations**

Developed investor relations strategy for multiple base and precious metals producers and developers including Gold Resource Corporation, TMAC Resources and Breakwater Resources

DIRECTORS

GENERATIONMINING

TSX:GENM

OTCQB: GENMF

KERRY KNOLL **Chairman**

Co-founded several successful mining companies over 35 years including Wheaton River, Thompson Creek and Glencairn Gold. Former editor of The Northern Miner Magazine

JAMIE LEVY **President & CEO**

25 years in financing and management of Canadian mining companies. Was CEO of Pine Point Mining - acquired by Osisko Metals. Formerly Vice President of Pinetree Capital

CASHEL MEAGHER P.Geo, P.Eng

President & COO of Capstone Mining. Previously Senior Vice President and Chief Operating Officer of Hudbay Minerals Inc.; led construction and startup of Constancia Mine; previously held several senior positions at Inco

PAUL MURPHY B.Comm, FCPA

Chartered Accountant, Chairman of Alamos Gold; was Chief Financial Officer of Guyana Goldfields during construction, production; former partner and head of Mining Group, Western Hemisphere, for PricewaterhouseCoopers

STEPHEN REFORD BA.Sc, P.Eng

Geophysicist for 35 years and President of Paterson, Grant & Watson Limited, an international geophysical consulting company

ROD THOMAS P.Geo

Geologist with 40 years experience in Canada and abroad. Former Exploration Manager BHP Minerals Eastern NA and General Manager of VM Canada (subsidiary of NEXA Res.) Former president of PDAC

JENNIFER WAGNER LL.B

Was Senior Vice-President, Corporate Affairs, Legal Counsel and Corporate Secretary at Kirkland Lake Gold Ltd. until merger with Agnico. She is a member of the Law Society of Upper Canada

PHILLIP C. WALFORD P.Geo, P.Eng

Geologist, Founder and CEO of Marathon Gold from 2009-2019, developing the Valentine gold project. Was CEO and a founder of Marathon PGM Corp. which sold Marathon palladium project to Stillwater in 2010

CORPORATE STRUCTURE

GENERATIONMINING
TSX:GENM
OTCQB: GENMF

Capital Structure

Shares Outstanding	180.4M
Options *(Weighted average exercise price: C$0.57)*	16.9M
Fully Diluted Shares Outstanding	197.3M
Basic Market Capitalization *(Share price: C$0.65 February 28, 2023 Close)*	$117.0M

Key Shareholders

Sibanye-Stillwater	18.2%
Eric Sprott	9.1%
Zebra Holdings (Lundin Family Trust)	~6.2%
Osisko Mining	~3.0%
Officers & Directors	~7.0%

Analyst Coverage

Adam Schatzker	Research Capital Corp
Pierre Vaillancourt	Haywood Securities

PALLADIUM GREENER AND SAFER

- Autocatalysts use 84% of palladium supply: Required by law in most countries
- Modern catalysts convert 98% of carbon monoxide and nitrous oxide
- Nitrous oxide is 300 times more potent than CO^2 as greenhouse gas
- Pd loads per vehicle increasing in China, Europe, India & Brazil to convert more gases*
- Annual demand of 10.1 million+ ounces
- In 2021, 6.79M oz mined worldwide (Russia 39% and South Africa 39%), and 3.36M oz recovered from recycling (and rising)* resulting in slight surplus
- Positive research for palladium in
  - EV batteries (Li-ion),
  - Hydrogen production (membranes)
  - Hydrogen storage (Pd nanoparticles “store hydrogen like a sponge”)
  - EU expected to introduce legislation in 2027 to cut emissions in half from today

*Johnson Matthey

PALLADIUM MARKET - PRICE, NET BALANCE

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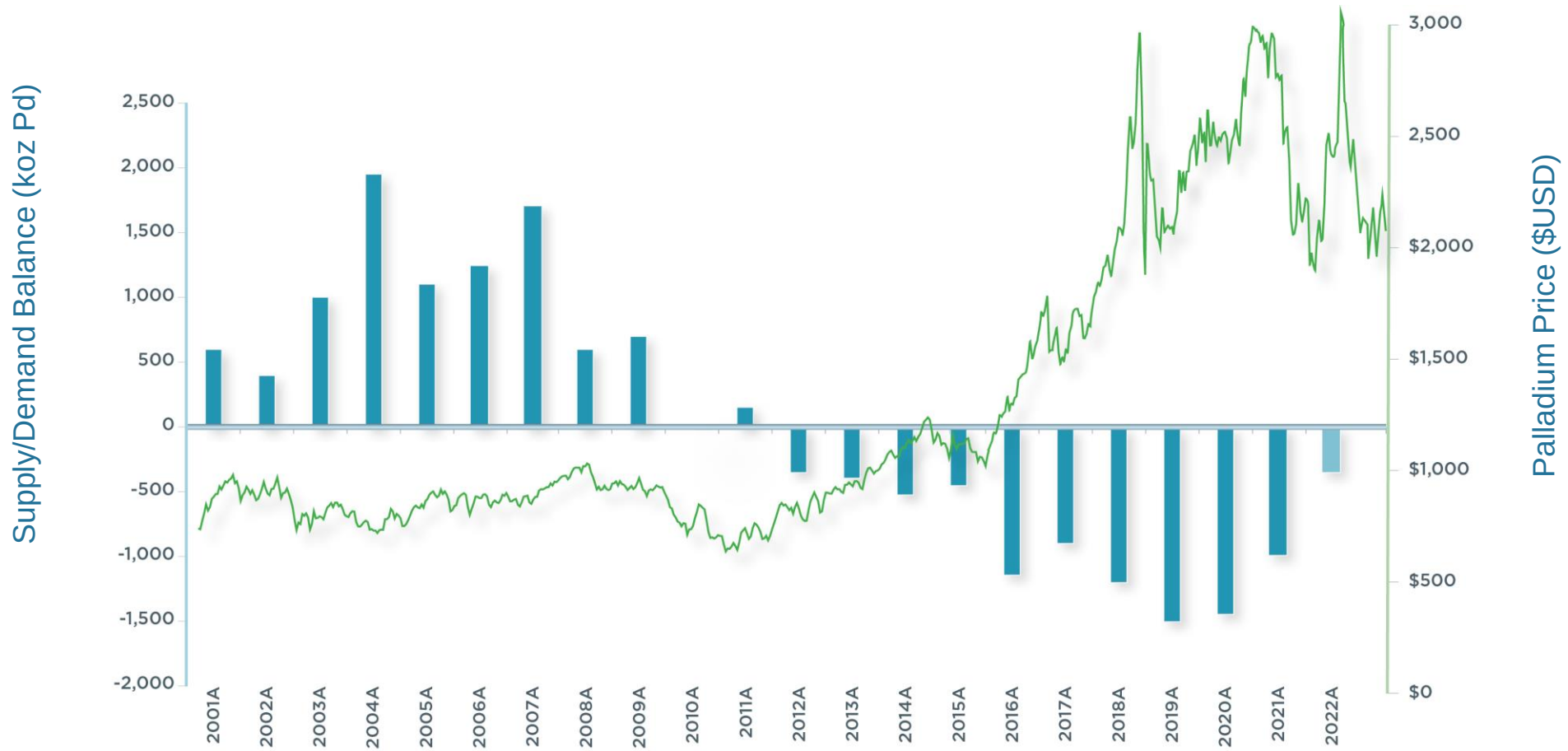
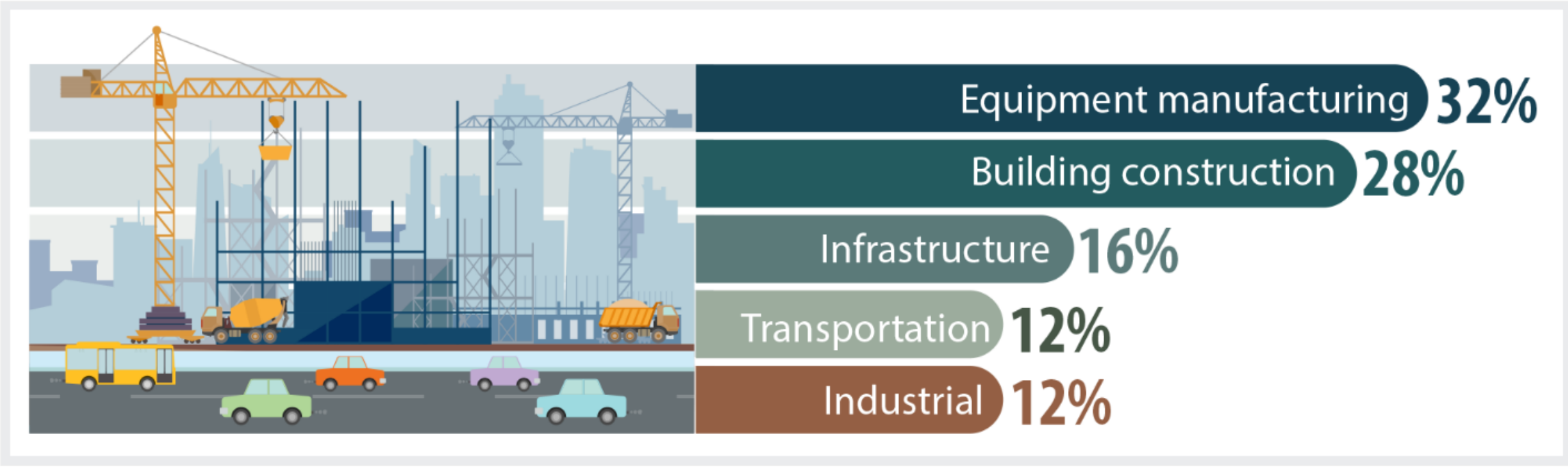
TSX:GENM
OTCQB: GENMF

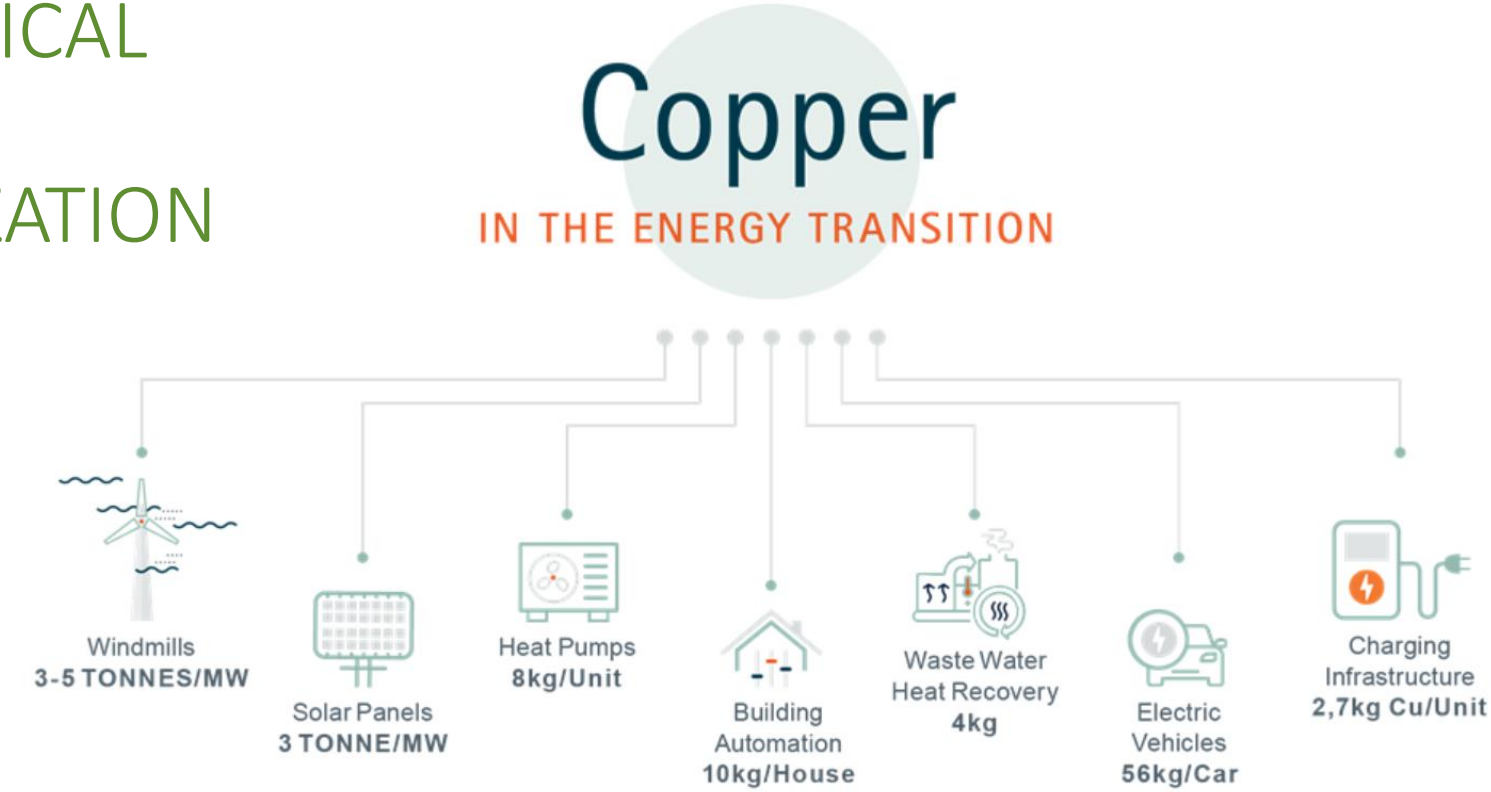


*S&P Global Market Intelligence, Metals Focus



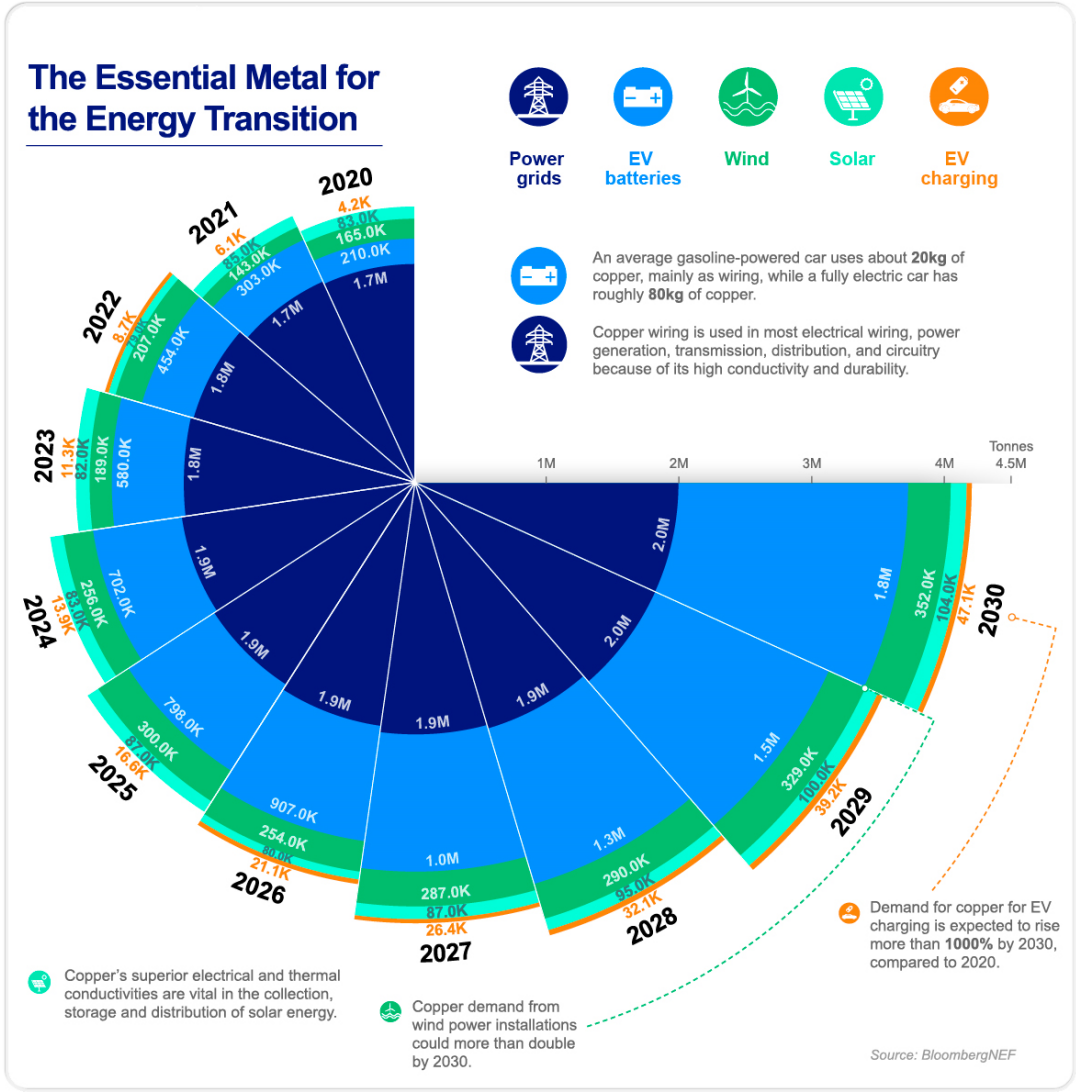
COPPER, GLOBAL USES, 2020

COPPER CRITICAL TO DECARBONIZATION

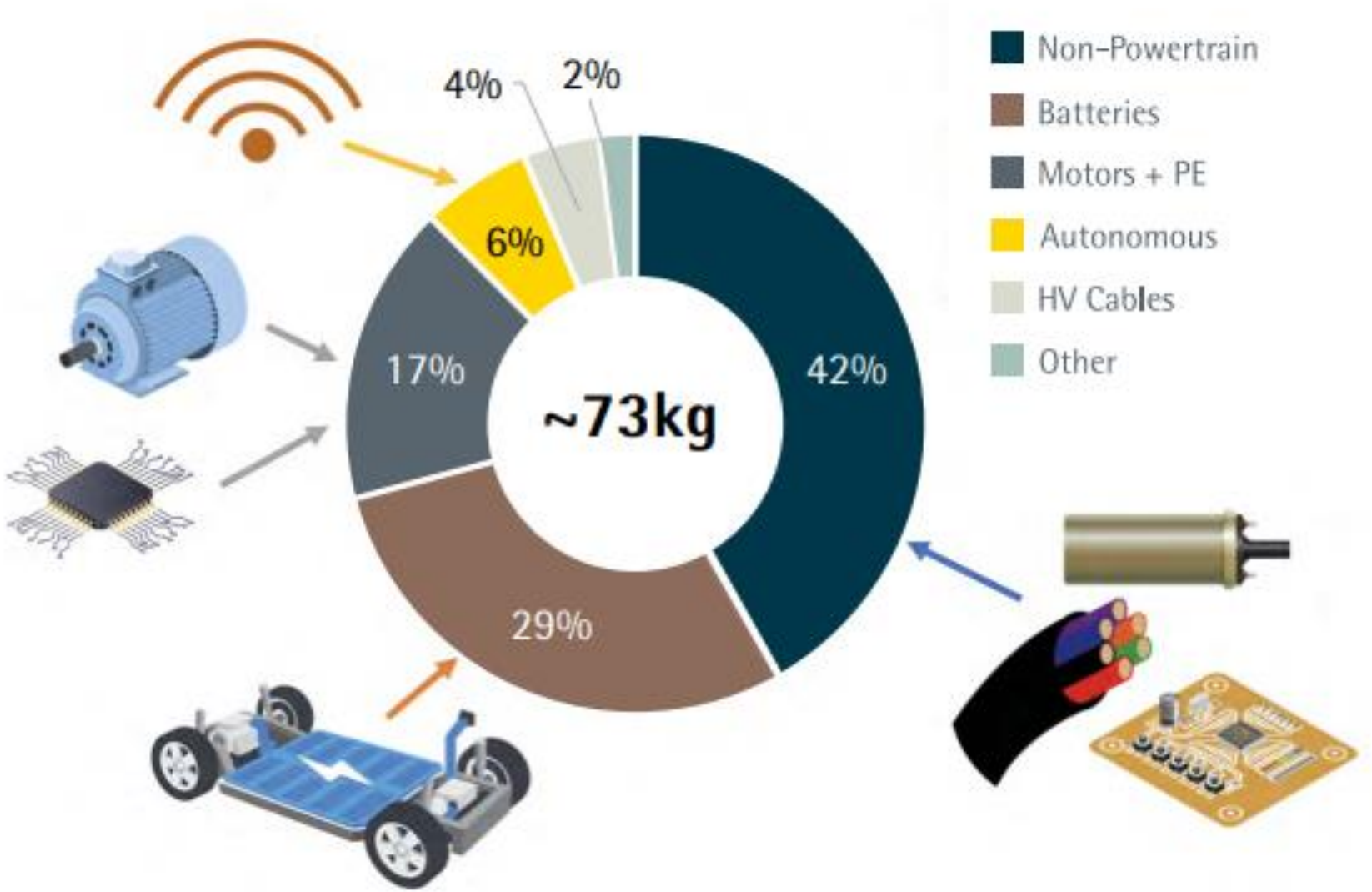


- Electrification Alliance: https://electrification-alliance.eu/about/

COPPER IN A RENEWABLES POWERED FUTURE



As the world moves towards alternative energy sources, copper will remain in high demand.

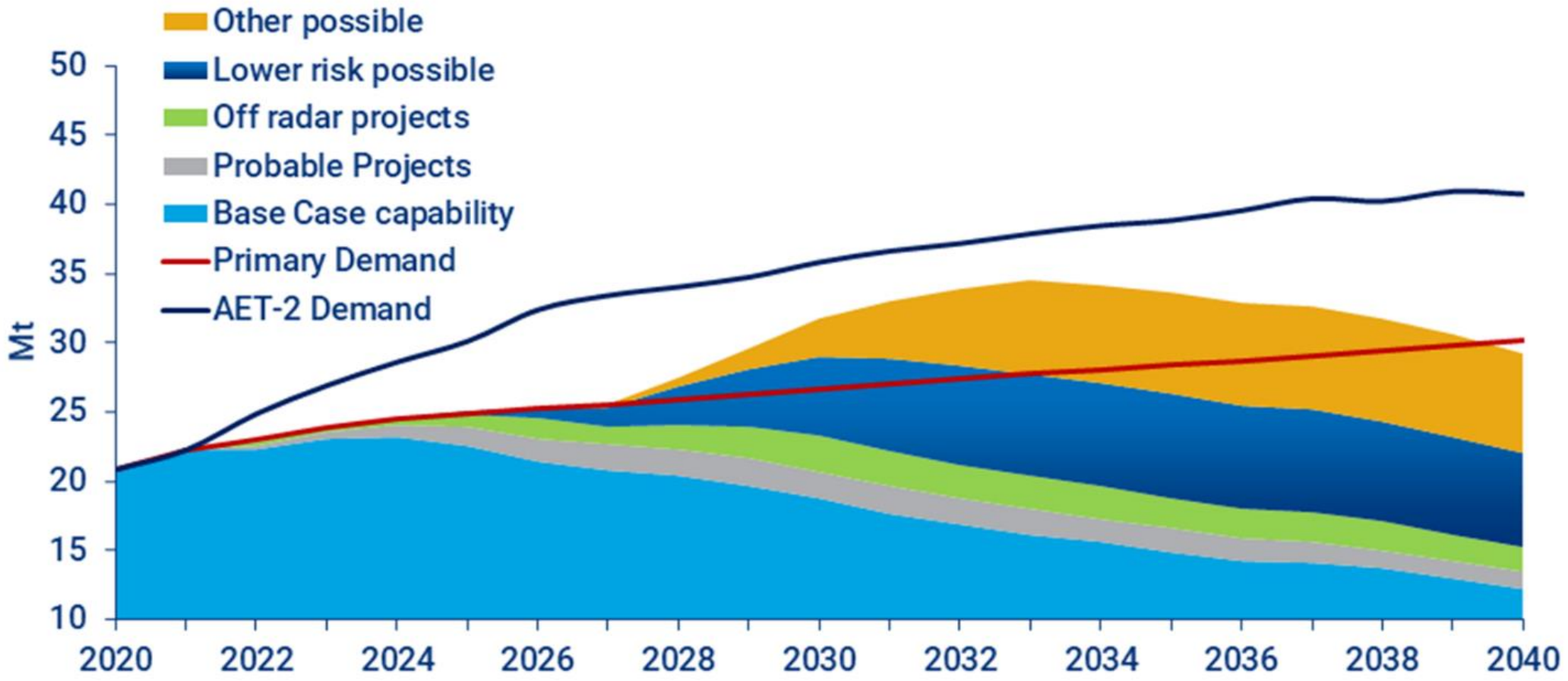


DISTRIBUTION OF COPPER IN A 2040 CAR (KG)

- https://copperalliance.org/wp-content/uploads/2022/05/Automotive-Fact-Sheet-updated.pdf

COPPER SUPPLY VS DEMAND – 2010 - 2040E

Primary copper demand scenarios versus mine supply potential

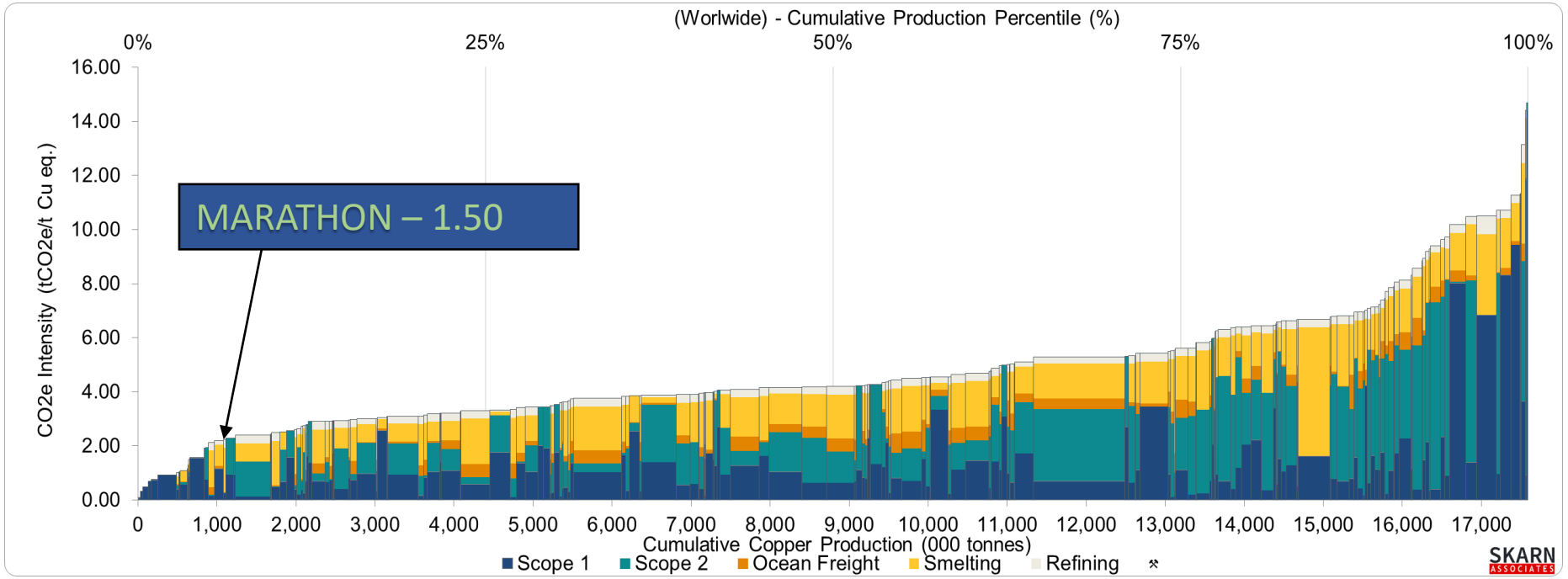


Source: Wood Mackenzie

CU CARBON INTENSITY – WORLDWIDE

GENERATIONMINING
TSX:GENM
OTCQB: GENMF

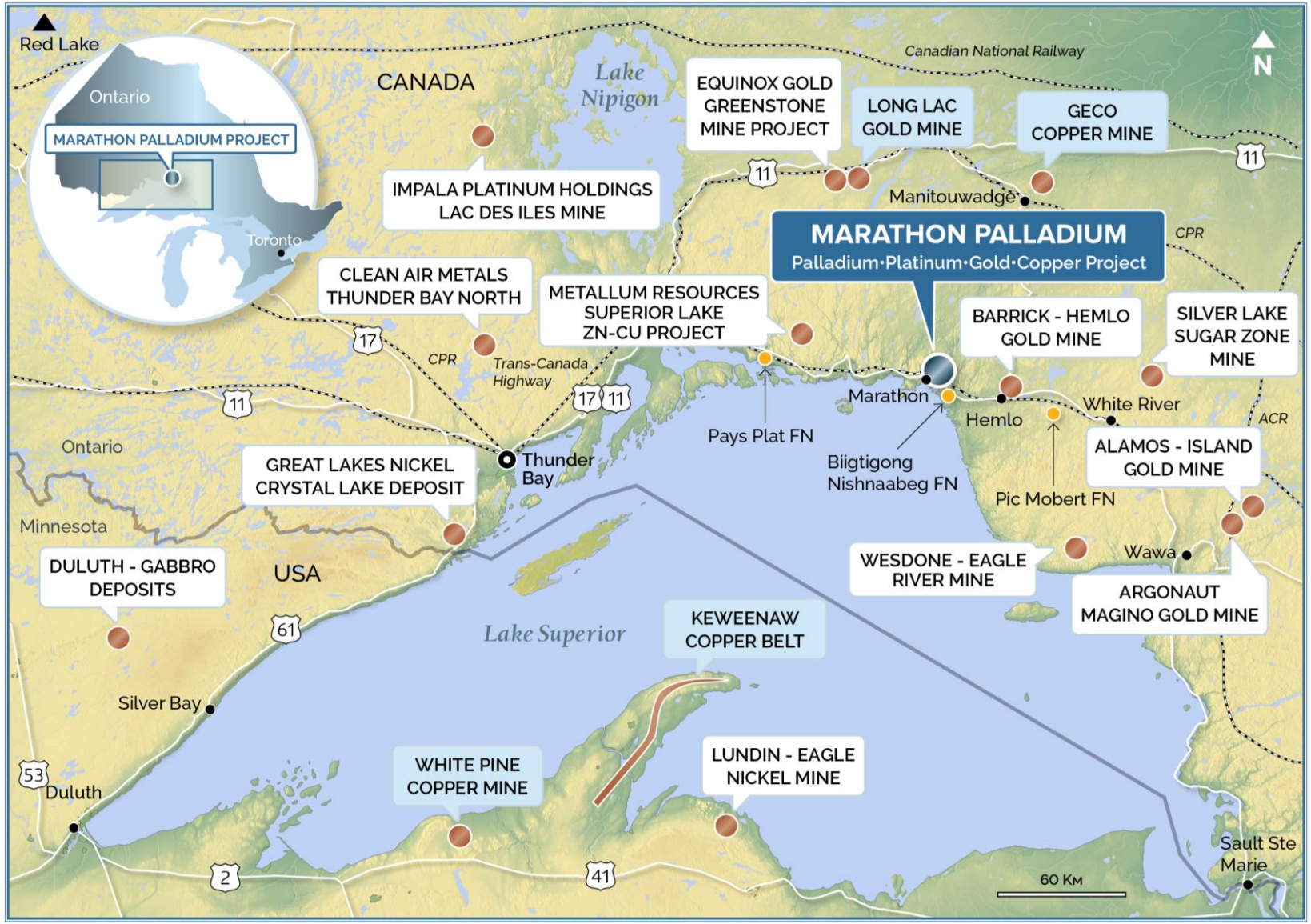
- Bottom 4% of carbon emissions on a copper equivalent basis worldwide once Marathon is in production
- Attractive premium global product



Notes: Copyright Skarn Associates Limited

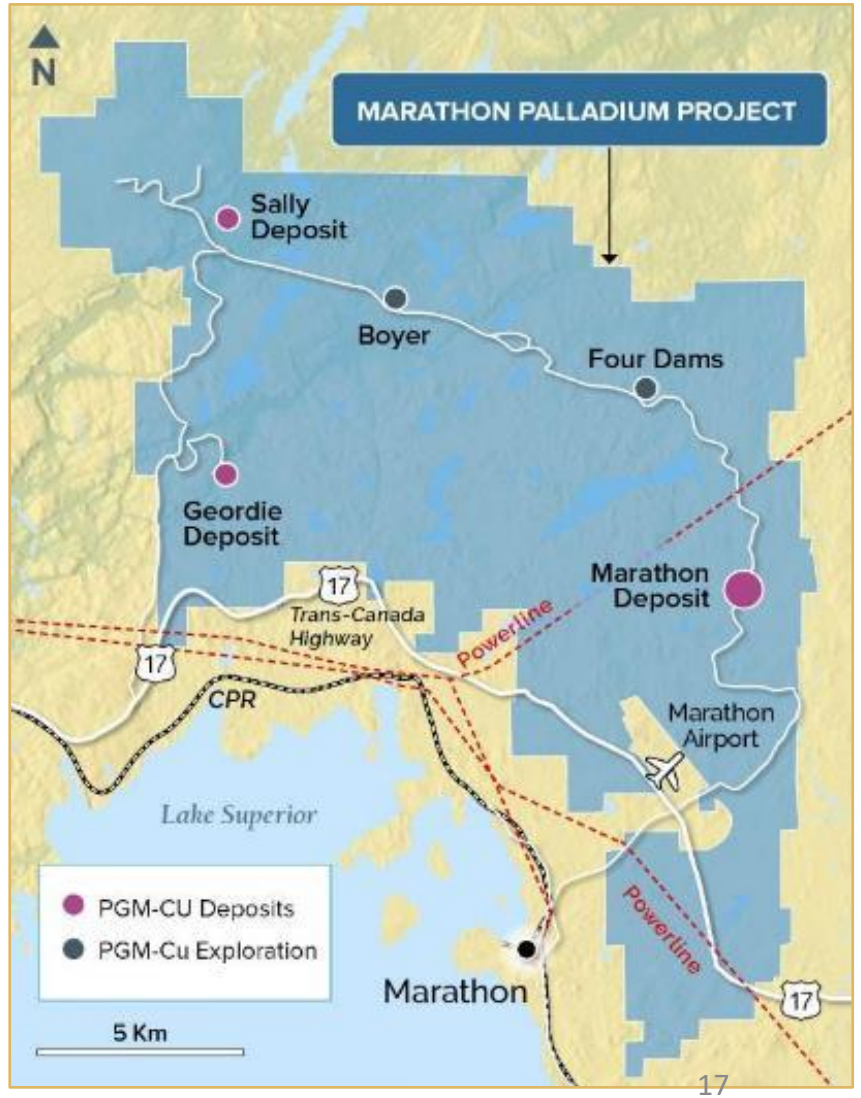
The curves represent individual mining operations. The height of the stacked bars representing the CO^2 eq intensity and the width of the bar representing the relative Cu equivalence production. Cu equivalence calculations are from Skarn Associates Limited and based on 2020 metal prices. Scope 1 (emissions arising from on-site activities) and Scope 2 (emissions from purchased energy, in this case electrical power required for site operations being generated by grid power providers) represent direct on-site mining and processing CO^2 intensity. Other components and contributors for the estimation of the bar graphs are as described in the chart legends and are reflective of the emissions for the overall project value chain.

LOCATION


Red Lake
Ontario
MARATHON PALLADIUM PROJECT
Toronto
CANADA
Lake Nipigon
Canadian National Railway
N
EQUINOX GOLD GREENSTONE MINE PROJECT
LONG LAC GOLD MINE
GECO COPPER MINE
IMPALA PLATINUM HOLDINGS LAC DES ILES MINE
Manitouwadge
MARATHON PALLADIUM
Palladium·Platinum·Gold·Copper Project
CPR
CLEAN AIR METALS THUNDER BAY NORTH
METALLUM RESOURCES SUPERIOR LAKE ZN-CU PROJECT
BARRICK - HEMLO GOLD MINE
SILVER LAKE SUGAR ZONE MINE
Trans-Canada Highway
Marathon
White River
Hemlo
ACR
Pays Plat FN
Biigtigong Nishnaabeg FN
Pic Mobert FN
ALAMOS - ISLAND GOLD MINE
Ontario
Thunder Bay
GREAT LAKES NICKEL CRYSTAL LAKE DEPOSIT
Minnesota
USA
DULUTH - GABBRO DEPOSITS
WESDONE - EAGLE RIVER MINE
Wawa
ARGONAUT MAGINO GOLD MINE
Lake Superior
KEWEENAW COPPER BELT
Silver Bay
WHITE PINE COPPER MINE
LUNDIN - EAGLE NICKEL MINE
Duluth
Sault Ste Marie
60 Km

EXCELLENT INFRASTRUCTURE

- Located on Trans-Canada Highway
- Served by CPR main rail line
- Property next to Marathon airport
- Town population has been falling
- Main Zone deposit 10 km from Town of Marathon
- New $1B 230 kilo-volt power line from Wawa to Thunder Bay crosses property
- Essentially carbon-free power
- Numerous towns, First Nations nearby can form bulk of workforce



OUR MINE BUILDING TEAM

GENERATIONMINING
TSX:GENM
OTCQB: GENMF

ENGINEERING AND CONSTRUCTION

DREW ANWYLL M.Eng, P.Eng **COO**

Formerly Senior VP, Technical Services, interim COO and VP, Operations - mine general manager at Detour Gold, also held senior operating positions at Barrick and Placer Dome

PAUL MURPHY Ing. **VP, Projects**

Experienced civil engineer with 35 years in construction and engineering. Previously with G-Mining Services, VP Projects at Centerra Gold and GM of Engineering and Construction at IAMGOLD

GORDON LUNG, B.Eng **Project Services Manager**

Vice-President of LQ Consulting and Management Inc., with 10+ years of experience in mining project execution, including several years with SNC improving Kinross mines around the world

PIERRE LEGARE **Senior Project Advisor**

President of LQ Consulting and Management Inc. with over 35 years of experience in construction management of projects at in excess of $5 billion total installed cost, many through SNC, including Cobre Panama

DANIEL JANUSAUSKAS, P.Eng, **Technical Services Mgr.**

Most recentlyTechnical Services Superintendent at Baffinland Iron, previously as Strategic Mine Engineer at Detour Gold

METALLURGY

STEVE HAGGARTY, P.Eng

Metallurgy & Mining engineer, worked with first tier companies including Barrick (VP Operational Support), Homestake, International Corona & Teck

ENVIRONMENTAL, SUSTAINABILITY & GOVERNANCE

RUBEN WALLIN **VP, Sustainability**

Vice President, Sustainability at McEwen Mining and Vice President of Environment & Sustainability for Detour Gold Corporation. Involved in successful operation of Detour Lake Mine, Canadian Malartic Mine and Victor Mine.

JEREMY DART **Manager of Environment**

20 years in mining, environmental, community and indigenous relations and closure management. Former environmental manager with Barrick Gold – Hemlo Mines

TECHNICAL SUPPORT TEAMS - MARATHON PROJECT

wood.

Mining Services

JDS Energy & Mining Inc.

LQ CONSULTING AND MANAGEMENT

Knight Piésold CONSULTING

wsp

Northern Bioscience Ecological Consulting

P&E MINING CONSULTANTS INC. Geologists and Mining Engineers

Stantec

Ausenco

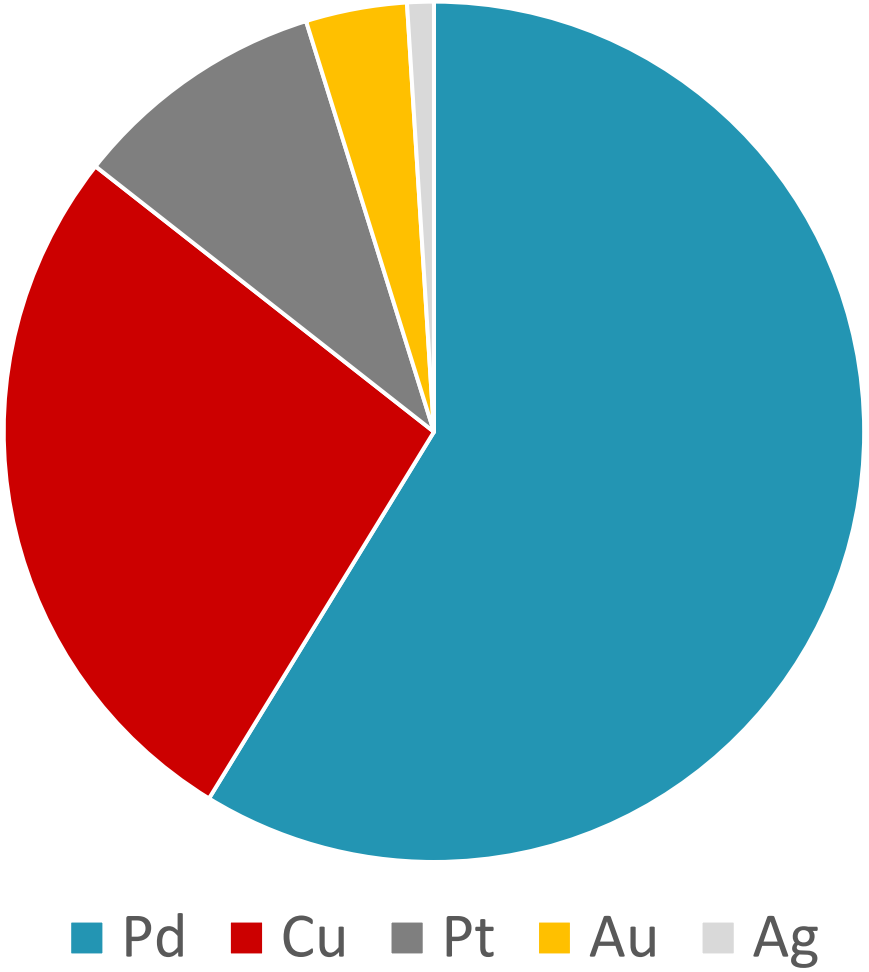
Ecometrix

ROBUST FEASIBILITY STUDY HIGHLIGHTS

- ✓ 13-year mine life producing 245,000 ounces Palladium Eq annually
- ✓ Upfront Capex C$665 million[1] - AISC US$809 per ounce PdEq
- ✓ Base Case IRR of 30%, after-tax NPV(6%) of C$1 billion, using US$1725 Pd and US$3.20 Cu
- ✓ Average/annum payable metals - 147,000 oz Pd, 35M lbs Cu, 41,000 oz Pt
- ✓ Base Case payback of 2.3 years
- ✓ Completed by G Mining and Ausenco – Early 2021

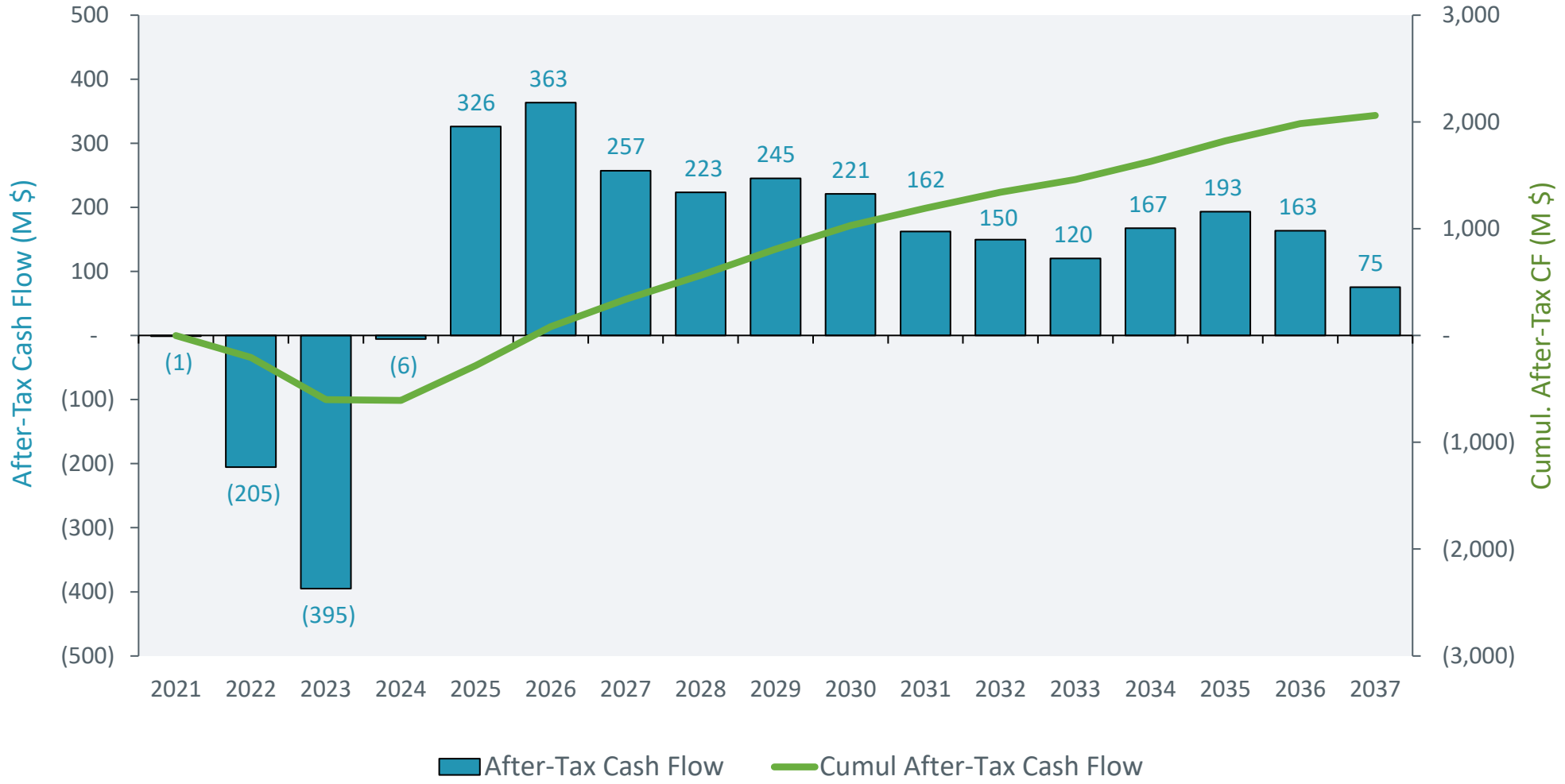
[1] Net of equipment financing and pre-completion operating costs and revenues

REVENUE DISTRIBUTION



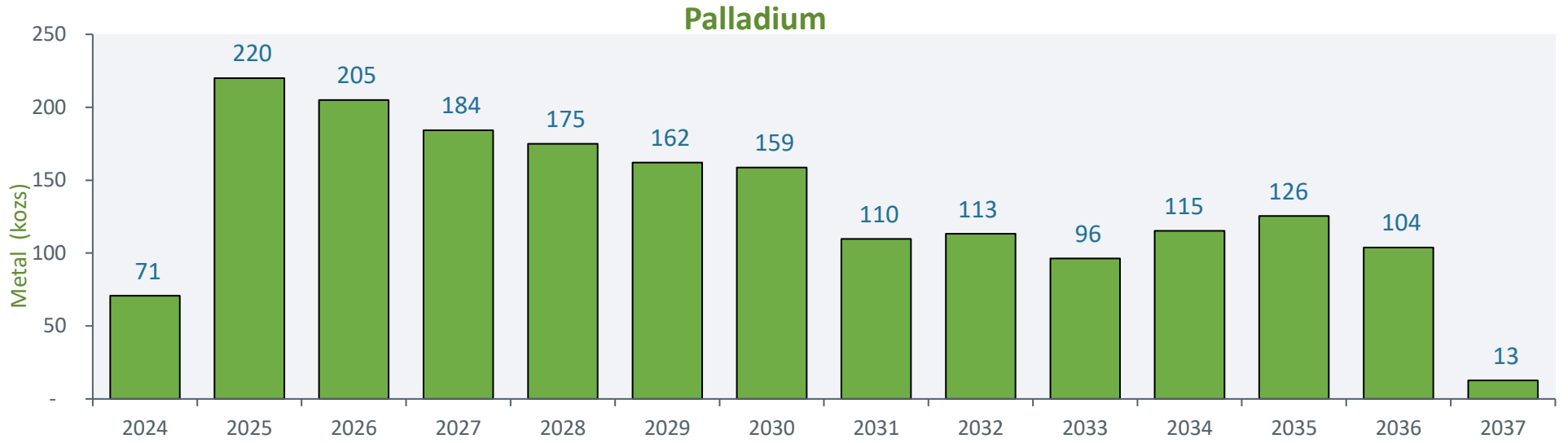
METAL	REVENUE DISTRIBUTION	PRICE ASSUMPTION
Palladium	58.7%	US$1,725/oz
Copper	26.8%	US $3.20/ lb
Platinum	9.6%	US$1,000/oz
Gold	3.8%	US$1,400/oz
Silver	1.0%	US$20.00/oz

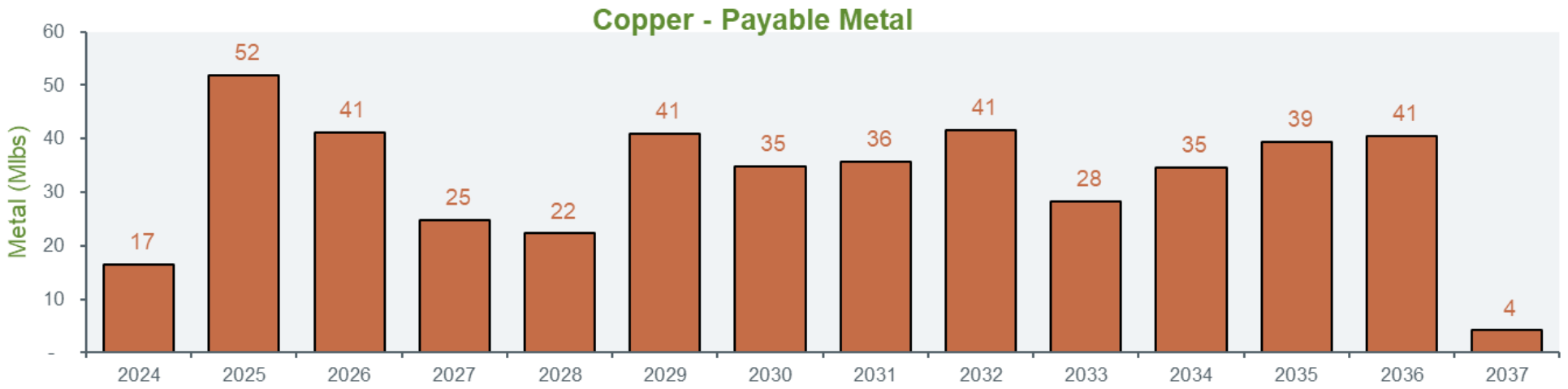
BASE CASE – CASH FLOW CAD$ (AFTER TAX)



PAYABLE METALS – PRODUCTION PROFILE

GENERATIONMINING
TSX:GENM
OTCQB: GENMF



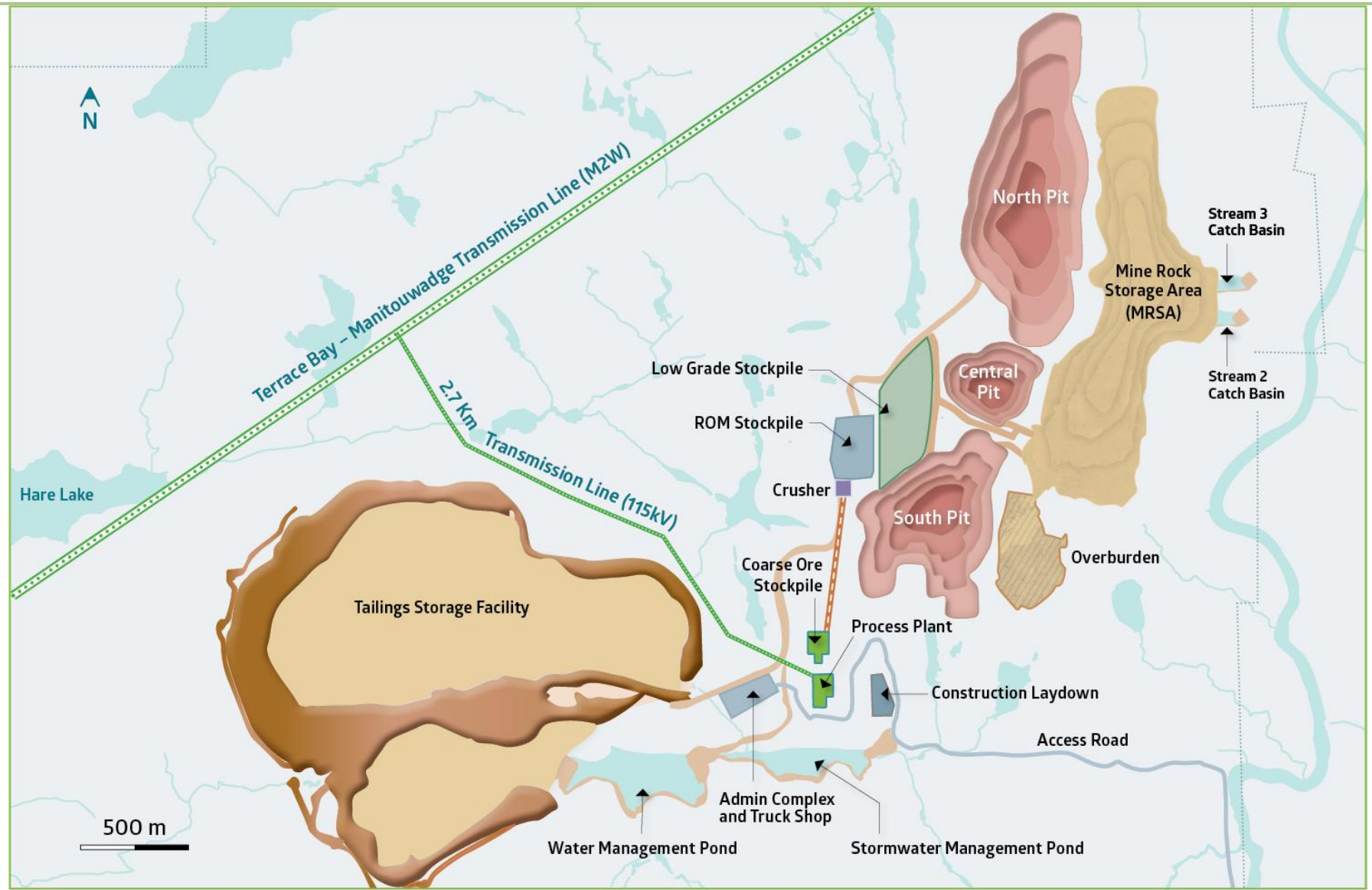


FEASIBILITY STUDY – SENSITIVITIES

PALLADIUM PRICE (US$/oz)	1,000	1,250	1,500	1,725	1,850	2,000	2,500
NPV 6% (C$ M)	356	601	847	**1,068**	1,190	1,337	1,831
Payback (years)	4.3	3.2	2.6	**2.3**	2.1	2.0	1.6
IRR (%)	14.8	20.2	25.3	**29.7**	32.1	34.8	43.7
COPPER PRICE (US$/lb)	**2.00**	**2.50**	**3.00**	**3.20**	**3.50**	**4.00**	**4.50**
NPV 6% (C$ M)	792	907	1,022	**1,068**	1,137	1,251	1,365
Payback (years)	2.7	2.5	2.3	**2.3**	2.2	2.1	2.0
IRR (%)	24.7	26.8	28.9	**29.7**	30.9	32.9	34.8

AFTER-TAX RESULTS	OPEX SENSITIVITY				
	-20%	-15%	0%	15%	20%
NPV 6% (C$ M)	1,270	1,220	**1,068**	916	866
Payback (years)	2.1	2.1	**2.3**	2.4	2.5
IRR (%)	33.0	32.2	**29.7**	27.1	26.2
	CAPEX SENSITIVITY				
NPV 6% (C$ M)	1,195	1,163	**1,068**	972	940
Payback (years)	1.9	2.0	**2.3**	2.6	2.7
IRR (%)	37.7	35.4	**29.7**	25.3	24.1

MARATHON – PRELIMINARY SITE PLAN



MARATHON MINE FINANCING

- Feasibility Study* Capex C$888M, or C$665M net of equipment lease and preproduction revenue
- Updated technical reports will address scope changes and inflation (Spring/2023)
- Wheaton Precious to pay C$240 million for stream of 100% gold and 22% platinum production, C$40 received to date
- Equipment leases C$120M
- Negotiating debt package with banking syndicate for US$400M (C$540M), half from Export Development Corporation
- Ongoing discussions for balance with several government Critical Mineral programs, private equity funds

* 2021 Feasibility study base case

ADVANCING THE MARATHON PROJECT 2022-2025

GENERATIONMINING
TSX:GENM
OTCQB: GENMF

TIMELINE (ESTIMATED)

	2022	2023	2024	2025
Accommodations Camp Leased with Option to Acquire	✓			
Ball and SAG Mills – Deal to Acquire	✓			
Biigtigong Nishnaabeg Community Benefits Agreement	✓			
Environmental Assessment Decision	✓			
Permits (Construction)				
Detailed Engineering (~40% currently)				
Mine Financing				
Construction				
Preproduction/Commissioning				

Important note: Construction and production are subject to favorable results in permitting and financing of the project.

LASSONDE CURVE - THE DISCOVERY LIFECYCLE

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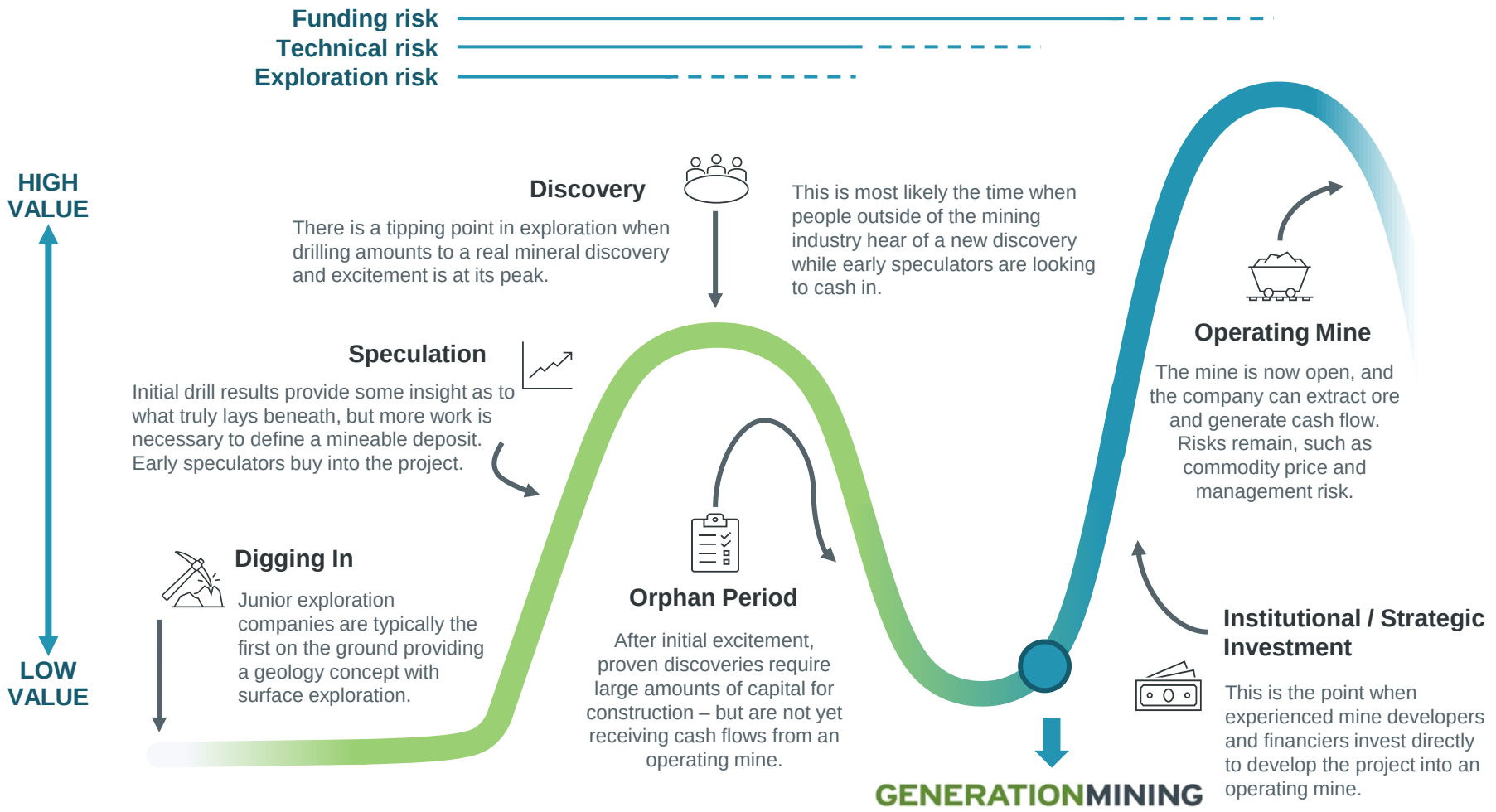
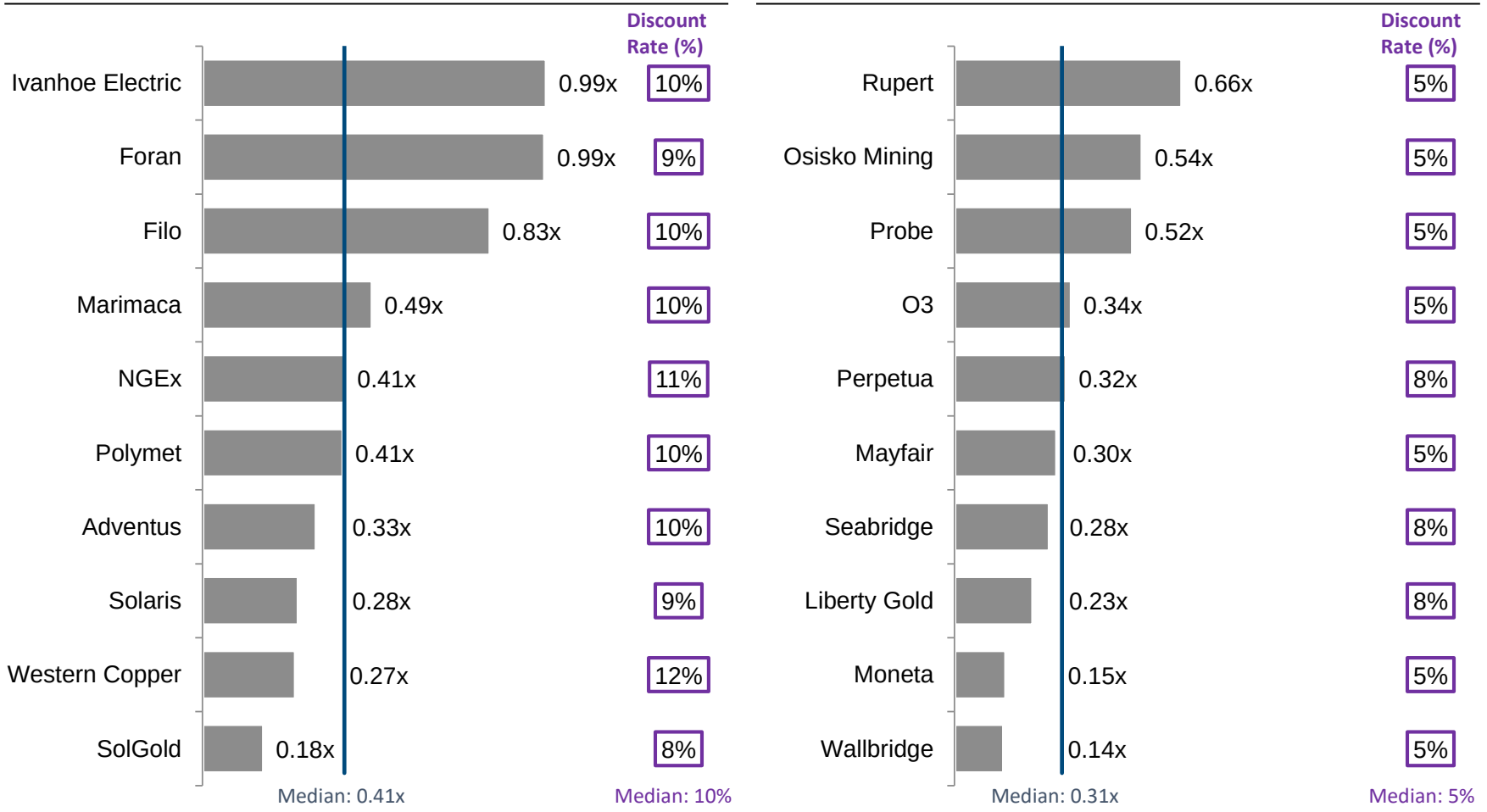


BASE VS PRECIOUS METAL DEVELOPERS TRADING PERSPECTIVES (P/NAV MULTIPLES)

GENERATIONMINING
TSX:GENM
OTCQB: GENMF



In today's market, precious and base metal developers are generally trading in line on a discount rate-adjusted basis, though base metal developers are benefitting from recent copper and nickel price momentum which potentially results in short-term dislocation of multiples

Source: FactSet, street research

WHY INVEST

- Robust Feasibility Study Economics - NPV(6%) CAD$1.07B*, 30% IRR, 2.3 year payback on upfront CAPEX of CAD$665M
- Critical Minerals for a Decarbonizing Economy – Palladium & Copper
- Disciplined, Experienced Leadership Team
- Marathon Project – 13 year mine life in a tier one jurisdiction at a low AISC of $809/oz PdEq, average of 245,000 ozs PdEq / year
- Trading at significant discount to NPV
- Project Financing Advancing led by CAD$240M stream with Wheaton Precious Metals

*Using US$1725 Pd and US$3.20 Cu

INVESTOR RELATIONS

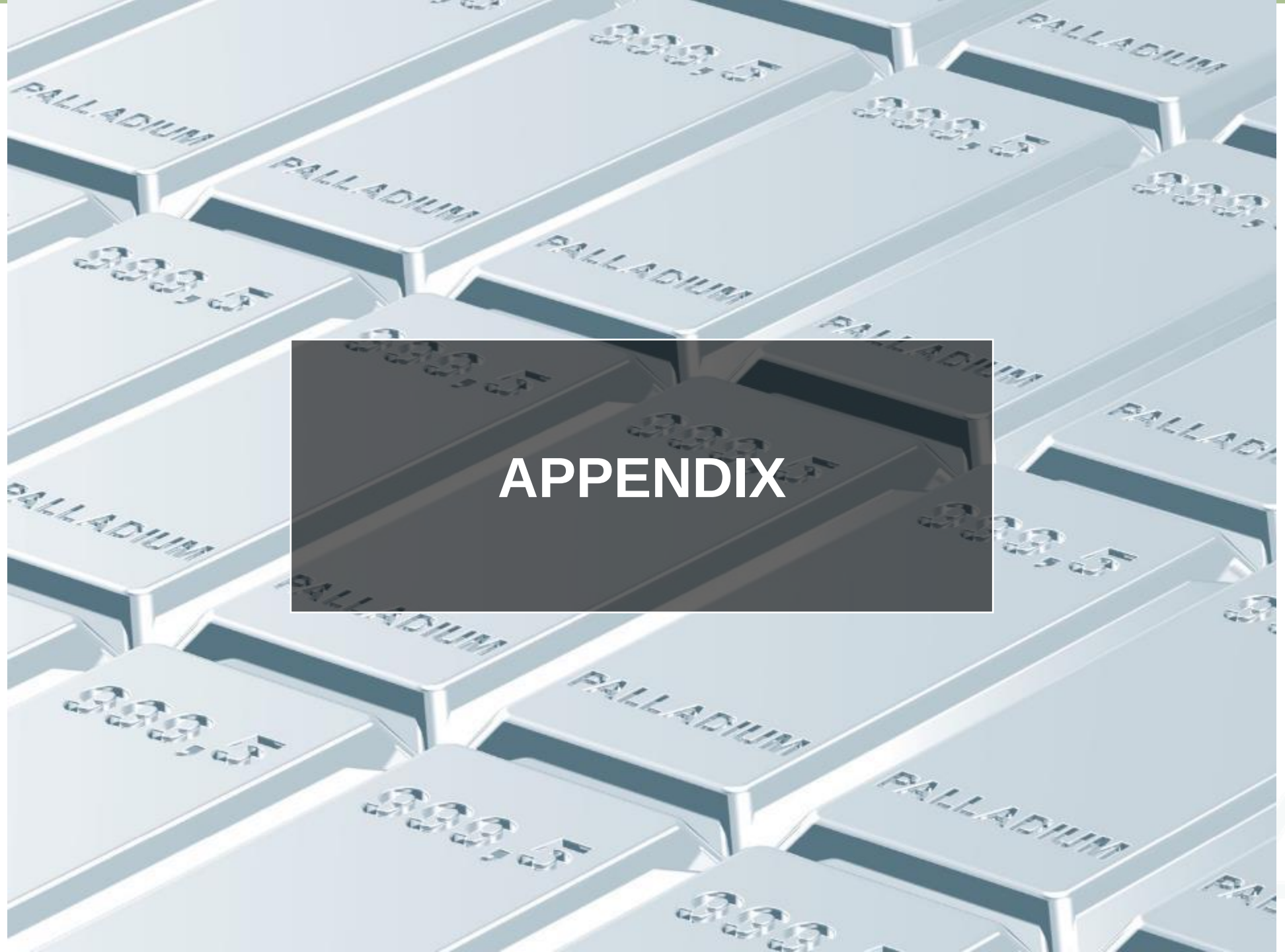
Ann Wilkinson

Vice President, Investor Relations

Awilkinson@genmining.com

Phone: 416 640-2954

100 King St West, Suite 7010
Toronto, Ontario, Canada M5X 1B1


APPENDIX

ADDITIONAL ESG

ENVIRONMENTAL, SOCIAL, GOVERNANCE

- Over 10 years of comprehensive baseline studies to inform design, reduce environmental and social impacts
- Marathon's electricity source essentially carbon-free
  - All other palladium producing areas are carbon-dependant
- Evaluating electrical mining fleet
  - Evaluating trolley-assist for truck fleet
  - Trade-off between electric vs. diesel shovels
- State-of-the-art water treatment plant
- Carbon-capture in construction concrete
- High-efficiency plant equipment

ENVIRONMENTAL, SOCIAL, GOVERNANCE

- Compensate for impact through enhancing habitats offsite, stream/lake restoration projects, removing old forestry roads, increasing biodiversity of forests nearby
- Second lowest carbon footprint of copper mines in Canada, bottom 4% worldwide
- Enough copper per year for 275,000 electric cars
- Producing one tonne of copper at Marathon will emit 1.5 tonnes of carbon dioxide (compared with average of 4.65 tonnes worldwide)
- That one tonne will be enough for 12 electric cars, each saving 4.6 tonnes* of carbon emissions per operating year if using carbon-free grid
- Total savings of 55 tonnes of emissions per year per tonne of copper produced. And that copper will be recycled in perpetuity

*Source: Government of Canada brochure “NRCAN Learn the Facts: Fuel and CO2”

ENVIRONMENTAL, **SOCIAL**, GOVERNANCE

- Acknowledgement of Indigenous Rights
  - Generation has signed Community Benefits Agreement with nearby Biigtigong Nishnaabeg First Nation
  - Advancing negotiations with other Indigenous communities
- Regular engagement with communities – identify land uses, recreational and traditional (medicinal plants, trapping, country foods) and where possible avoid or alter design to reduce impact
- Strong support from location town of Marathon
- Support youth-training and apprenticeships
- Support First Nation and Métis businesses
- Hire locally when possible

ENVIRONMENTAL, **SOCIAL**, GOVERNANCE

- Government benefits from substantial taxes in base case
  - Local Marathon taxes payable: $24 million over life of mine
  - Provincial mining taxes of $245 million
  - Provincial corporate income taxes of $279 million
  - Federal corporate income taxes of $419 million
- More than 1,000 direct construction jobs and 400 permanent jobs

ENVIRONMENTAL, SOCIAL, **GOVERNANCE**

- Board of Directors has five independent members (of eight), with targeted skillsets covering financial, technical and legal aspects of mining
- Full website disclosure of all relevant environmental studies and other related documents
- Training and educating our employees and site contractors in the development and implementation of our environmental and social policies and programs
- Collaborate with local communities, to monitor and confirm social and environmental predictions and adjust operations through adaptive management

GREEN IS THE NEW GOLD – MARATHON'S METALS NEEDED IN ALL FUTURE CARS

GENERATIONMINING

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ICE CAR
Pd-Cu

US$651*

At 5 grams palladium and 40 lbs copper per car, **each car would consume $651 worth of our metals at recent spot prices**

ELECTRIC CAR
Cu

US$837*

An electric car needs about 182 lbs of copper. At $4.60 per lb, that is US$837 per car. Plus more for charging stations

FUEL CELL CAR
Pt-Cu

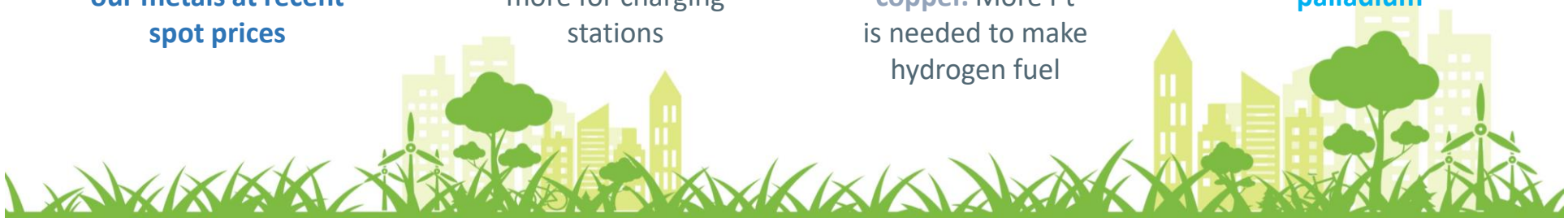
US$1626*

Hydrogen Fuel Cells need 1 oz+ of platinum per vehicle, plus an estimated 88 lbs copper. More Pt is needed to make hydrogen fuel

HYBRID CAR
Pd-Cu

US$965*

Although amounts vary, **a typical hybrid uses about 88 lbs of copper and 6 grams of palladium**



** Dollar amounts are based on recent spot prices: US$1222/oz platinum, US$4.60/lb copper and US$2900/oz palladium.*

ADDITIONAL FEASIBILITY STUDY

KEY PERMITS

Permits can ONLY be issued after EA approval (by Federal and Provincial Ministries

Key approvals include:

- Metal and Diamond Mining Effluent Regulations - Schedule 2 Amendment (ECCC)
- Fisheries Act – Section 35 Fisheries Authorization (DFO)
- Explosives Act – Explosives Manufacturing and Storage Authorization (NRCan)
- Mining Act – Mine Closure Plan Acceptance (NDMNRF)
- Lakes and Rivers Improvement Act – PSMF Approval and Work Permit (NDMNRF)
- Crown Forest Sustainability Act - Forest Resource Licence for timber harvesting (NDMNRF)
- Public Lands Act - Work Permit for portion of access road (NDMNRF)
- Ontario Environmental Protection Act – Environmental Compliance Approval for Air/Noise, Sewage (MECP)
- Ontario Water Resources Act – Permit to Take Water (MECP)
- Endangered Species Act – Overall Benefit Permit (MECP)
- Ontario Energy Board Act – Leave-to-Construct for grid connection (MECP)
- Planning Act/ Building Permit (Town of Marathon)

FEASIBILITY STUDY – KEY ASSUMPTIONS

PRICE ASSUMPTIONS	UNITS	PRICE
Palladium	US$/oz	**1,725**
Copper	US$/lb	**3.20**
Platinum	US$/oz	**1,000**
Gold	US$/oz	**1,400**
Silver	US$/oz	**20.00**
Exchange Rate	C$/US$	**1.28**
Diesel Fuel	$/L	**0.77**
Electricity	$/kWhr	**0.08**

Recoveries	Recovery @ Avg. Grade
Palladium	86.9%
Copper	93.0%
Platinum	84.2%
Gold	72.4%
Silver	71.5%

Note: Commodities listed in order of revenues.

Discount Rate Sensitivity	NPV (After-Tax)($M)
0%	2,060
5%	1,191
6%	1,068
8%	859
10%	689

FEASIBILITY STUDY – HIGH-LEVEL CAPITAL AND OPERATING COSTS

CAPITAL COSTS	UNITS	
Initial Capital[1]	$M	665
LOM Sustaining Capital	$M	423
LOM Total Capital	$M	1,087
Closure Costs	$M	66

[1] *Initial Capital shown after equipment financing. Contingency at approximately 11.7% of initial Capital.*

OPERATING COSTS	UNITS	
Mining[2]	$/t mined	2.53
Processing	$/t milled	9.08
General & Administration	$/t milled	2.48
Transport & Refining Charges	$/t milled	2.80
Royalties	$/t milled	0.03
Total Operating Costs	$/t milled	23.63
LOM Average Operating Cost	US$/oz Pd Eq	687
LOM Average AISC	US$/oz Pd Eq	809

[2] *Mining cost also noted as $9.23/tonne milled, all amounts $C unless noted otherwise*

COMPARISON – IRR & NPV/CAPEX – PRECIOUS METAL MINES

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Project	FS Date	Initial Capex (M)	Metal Price $US	IRR	Post Tax NPV (M)	NPV/ Capex
HISTORICAL						
Detour Lake	2010	$1,019	$850	**12.4%**	$760 (5%)	**0.74**
Malartic	2008	$642	$775	**25.1%**	$730 (5%)	**1.13**
Rainy River	2013	$713	$1,400	**23.7%**	$931 (5%)	**1.30**
Atlantic Gold	2015	$137	$1,200	**30.0%**	$168 (5%)	**1.22**
CURRENT AND FUTURE						
Cote Lake	2018	$1,147	$1,250	**15.2%**	$795 (5%)	**0.69**
Magino	2017	$405	$1,300	**19.5%**	$288 (5%)	**0.71**
Waterberg	2019	US$874	$1,546 (Pd)	**20.7%**	US$982 (8%)	**1.12**
Platreef	2017	US$1,544	$1,037**	**14.2%**	US$916 (8%)	**0.58**
Platreef	2020	US$1,438	$1,225**	**19.8%**	US1,849 (8%)	**1.28**
Eagle (Victoria)	2016	$370	$1,250	**29.5%**	$508 (5%)	**1.37**
Hardrock	2020	$952	$1,400	**20.1%**	$1,050 (5%)	**1.10**
MARATHON (Consensus)	**2021**	**$665**	**$1,725**	**29.7%**	**$1,068 (6%)**	**1.63**
MARATHON (Spot)	**2021**	**$665**	**$2,395**	**46.5%**	**$2,025 (6%)**	**3.09**

**Based On Original Feasibility Study*
***Avg Pd and Pt*
Sources: SEDAR company filings, company websites

FEASIBILITY STUDY – KEY OPERATIONS DESIGN ELEMENTS

Key Operations Design Elements		
Open Pit	Conventional Truck / Shovel Operation	40 M tonnes per year 110,000 tonnes per day 3 operating pits
Processing Plant	Satellite Crusher SAG → Pebble → Ball Mill Flotation Concentrate regrind Cleaning PGM Scavenger	9.2 M tonnes per year 25,200 tonnes per day
Tailings Storage Facility	Thickened Tailings Downstream construction Construction staged over mine life using mine fleet Water management systems	
Cu-PGM Concentrate		~90,000 tonnes of conc per year

QUALIFIED PERSONS

The Feasibility Study was prepared through the collaboration of the following consulting firms and Qualified Persons:

Consulting Firms	Area of Responsibility	Qualified Person
G-Mining Services	Mineral Reserves Estimate Mine design Infrastructure design Capital and operating costs (Mining and G&A) Financial analysis	Antoine Champagne, ing. Paul Murphy, ing. Antoine Champagne, ing. Louis-Pierre Gignac, ing.
Ausenco Engineering Canada Inc. and Haggarty Technical Services	Metallurgical Testing Plant design Capital and Operating costs (Plant)	Robert Raponi, P.Eng
P&E Mining Consultants Inc.	Mineral Resource Estimate Geological technical information QA/QC review of drilling and sampling data	Eugene Purich, P.Eng., FEC, CET
Knight Piésold Ltd. and WESC Inc.	Tailings design and water management Environmental studies and permitting	Craig Hall, P.Eng

This presentation has been reviewed and approved by Drew Anwyll, P.Eng., M.Eng., Chief Operating Officer of the Company, and a Qualified Person as defined by Canadian Securities Administrators National Instrument 43-101 (“NI43-101”) “Standards of Disclosure for Mineral Projects”.

The technical information in this presentation has been reviewed and approved by the following independent Qualified Person: Louis-Pierre Gignac, ing.

DISCLAIMER

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OTCQB: GENMF

Non-IFRS Financial Measures

The Company has included certain terms or performance measures commonly used in the mining industry that are not defined under International Financial Reporting Standards ("IFRS") in this news release. These include operating costs, AISC, LOM average AISC, LOM average operating cost, and Free Cash Flow. Non-IFRS measures do not have any standardized meaning prescribed under IFRS, and therefore, they may not be comparable to similar measures employed by other companies. The data presented is intended to provide additional information and should not be considered in isolation or as a substitute for measures prepared in accordance with IFRS. These measures do not have any standardized meaning prescribed under IFRS, and therefore may not be comparable to other issuers.

- Operating Costs include mining, processing, general and administrative and other, concentrate transportation costs, treatment and refining charges, and royalties.
- AISC include Operating Costs, closure, and reclamation, and sustaining capital.
- LOM Average AISC includes LOM AISC divided by LOM Pd Eq.
- LOM Average Operating Cost includes LOM Operating Costs divided by LOM Pd Eq.
- Free Cash Flow includes total revenue less Operating Costs, working capital adjustments, equipment financing, initial capital, sustaining capital and closure costs

Information Concerning Estimates of Mineral Reserves and Resources

The Mineral Reserve and Mineral Resource estimates in this presentation have been disclosed in accordance with NI 43-101, which differs significantly from the requirements of the U.S. Securities and Exchange Commission (the "SEC"), and information with respect to mineralization and Mineral Reserves and Mineral Resources contained herein may not be comparable to similar information disclosed by U.S. companies. The requirements of NI 43-101 for identification of ''reserves'' are not the same as those of the SEC, and reserves reported by the Company in compliance with NI 43-101 may not qualify as ''reserves'' under SEC standards. Under U.S. standards, mineralization may not be classified as a ''reserve'' unless the determination has been made that the mineralization could be economically and legally produced or extracted at the time the reserve determination is made. In addition, and without limiting the generality of the foregoing, this press release uses the terms ''Measured Resources'', ''Indicated Resources'' and ''Inferred Resources''. U.S. investors are advised that, while such terms are recognized and required by Canadian securities laws, the SEC has not recognized them in the past. U.S. investors are cautioned not to assume that any part of a ''Measured Resource'' or ''Indicated Resource'' will ever be converted into a ''reserve''. U.S. investors should also understand that ''Inferred Resources'' have a great amount of uncertainty as to their existence and as to their economic and legal feasibility. It cannot be assumed that all or any part of ''Inferred Resources'' exist, are economically or legally mineable or will ever be upgraded to a higher category. Under Canadian securities laws, ''Inferred Resources'' may not form the basis of feasibility or pre-feasibility studies except in certain cases. Disclosure of ''contained ounces'' in a Mineral Resource is a permitted disclosure under Canadian securities laws, however, the SEC normally only permits issuers to report mineralization that does not constitute ''reserves'' by SEC standards as in place tonnage and grade, without reference to unit measures. Accordingly, information concerning mineral deposits set forth in this press release may not be comparable with information made public by companies that report in accordance with U.S. standards.

DISCLAIMER CONTINUED

Information Concerning Estimates of Mineral Reserves and Resources (Con't)

SEC has adopted amendments to its disclosure rules to modernize the mineral property disclosure requirements under the U.S. Securities Exchange Act of 1934, as amended (the "Exchange Act"). These amendments became effective February 25, 2019 (the "SEC Modernization Rules") with compliance required for the first fiscal year beginning on or after January 1, 2021. Under the SEC Modernization Rules, the historical property disclosure requirements for mining registrants included in Industry Guide 7 under the U.S. Securities Act of 1933, as amended, will be rescinded and replaced with disclosure requirements in subpart 1300 of SEC Regulation S-K. As a result of the adoption of the SEC Modernization Rules, the SEC now recognizes estimates of "Measured Mineral Resources", "Indicated Mineral Resources" and "Inferred Mineral Resources." In addition, the SEC has amended its definitions of "Proven Mineral Reserves" and "Probable Mineral Reserves" to be "substantially similar" to the corresponding standards under NI 43-101. While the SEC will now recognize "Measured Mineral Resources", "Indicated Mineral Resources" and "Inferred Mineral Resources", U.S. investors should not assume that any part or all of the mineralization in these categories will ever be converted into a higher category of Mineral Resources or into Mineral Reserves. Mineralization described using these terms has a greater amount of uncertainty as to its existence and feasibility than mineralization that has been characterized as reserves. Accordingly, U.S. investors are cautioned not to assume that any Measured Mineral Resources, Indicated Mineral Resources, or Inferred Mineral Resources that the Company reports are or will be economically or legally mineable. Further, "Inferred Mineral Resources" have a greater amount of uncertainty as to their existence and as to whether they can be mined legally or economically. Therefore, U.S. investors are also cautioned not to assume that all or any part of the "Inferred Mineral Resources" exist. There is no assurance that any Mineral Reserves or Mineral Resources that the Company may report as "Proven Mineral Reserves", "Probable Mineral Reserves", "Measured Mineral Resources", "Indicated Mineral Resources" and "Inferred Mineral Resources" under NI 43-101 would be the same had the Company prepared the reserve or resource estimates under the standards adopted under the SEC Modernization Rules.

Mineral Resources are not Mineral Reserves, and do not have demonstrated economic viability, but do have reasonable prospects for economic extraction. Measured and Indicated Mineral Resources are sufficiently well defined to allow geological and grade continuity to be reasonably assumed and permit the application of technical and economic parameters in assessing the economic viability of the Mineral Resource. Inferred Mineral Resources are estimated on limited information not sufficient to verify geological and grade continuity or to allow technical and economic parameters to be applied. Inferred Mineral Resources are too speculative geologically to have economic considerations applied to them to enable them to be categorized as Mineral Reserves. There is no certainty that Mineral Resources of any classification can be upgraded to Mineral Reserves through continued exploration.

The Company's Mineral Reserve and Mineral Resource figures are estimates and the Company can provide no assurances that the indicated levels of mineral will be produced or that the Company will receive the price assumed in determining its Mineral Reserves. Such estimates are expressions of judgment based on knowledge, mining experience, analysis of drilling results and industry practices. Valid estimates made at a given time may significantly change when new information becomes available. While the Company believes that these Mineral Reserve and Mineral Resource Estimates are well established and the best estimates of the Company's management, by their nature Mineral Reserve and Mineral Resource Estimates are imprecise and depend, to a certain extent, upon analysis of drilling results and statistical inferences which may ultimately prove unreliable. If the Company's Mineral Reserve or Mineral Reserve Estimates are inaccurate or are reduced in the future, this could have an adverse impact on the Company's future cash flows, earnings, results or operations and financial condition. The Company estimates the future mine life of the Marathon Project. The Company can give no assurance that its mine life estimate will be achieved. Failure to achieve this estimate could have an adverse impact on the Company's future cash flows, earnings, results of operations and financial condition.

EXPLORATION ACTIVITIES

MARATHON EXPLORATION

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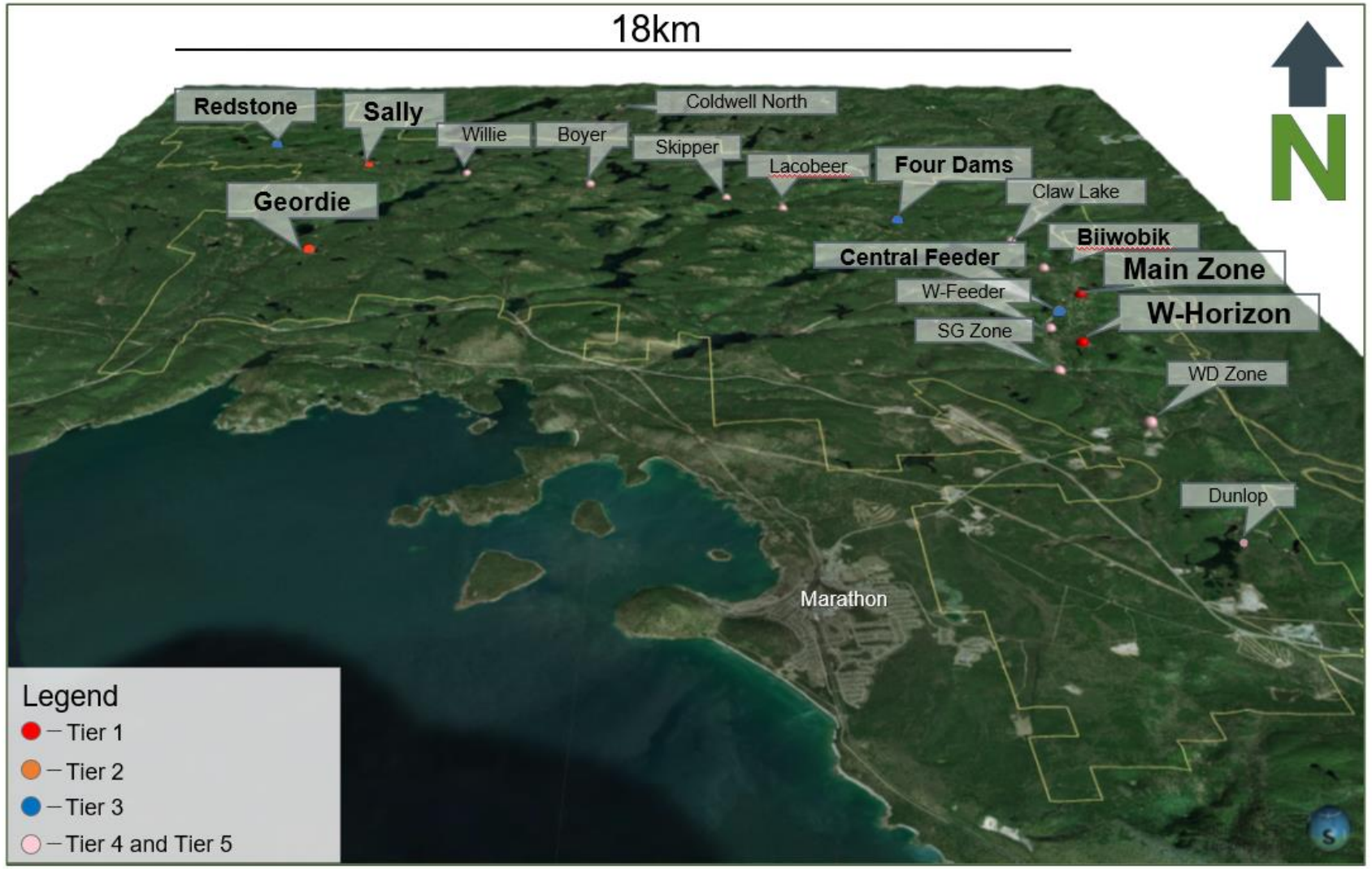
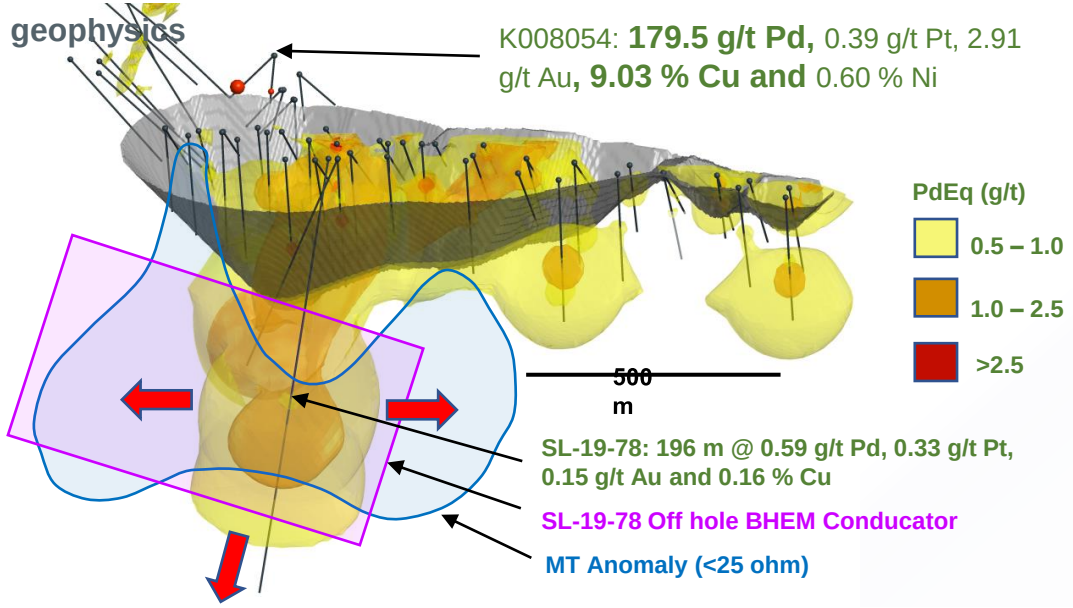
OTCQB: GENMF

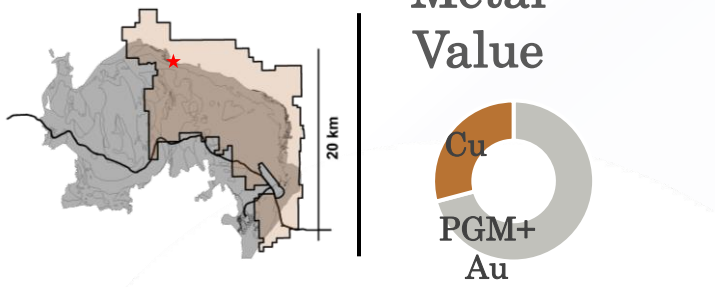


SALLY DEPOSIT

Extreme high grade PGE and Cu targets

- **24.8 Mt Indicated open pit resource**
  - **278 Koz Pd, 160 Koz Pt, 56 Koz Au and 93 Mlb Cu**
  - **Resource defined by 82 drillholes totaling 16,975 m**
- **Explore for source of high grade samples using 2019 and 2020 geophysics**





RESERVES AND RESOURCES

MINERAL RESOURCES

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Pit Constrained Combined Mineral Resource Estimate[1-8] for the Marathon, Geordie and Sally Deposits (Effective date June 30, 2020)

MINERAL RESOURCE CLASS	TONNAGE	Pd		Cu		Au		Pt		Ag	
	kt	g/t	koz	%	M lbs	g/t	koz	g/t	koz	g/t	koz
MARATHON DEPOSIT											
Measured	113,793	0.63	2,304	0.20	502	0.07	262	0.21	762	1.49	5,466
Indicated	89,012	0.45	1,296	0.19	373	0.06	182	0.16	449	1.77	5,078
M&I	**202,806**	**0.55**	**3,599**	**0.20**	**875**	**0.07**	**444**	**0.19**	**1,211**	**1.62**	**10,544**
Inferred	6,931	0.43	95	0.17	26	0.08	17	0.14	32	1.55	345
GEORDIE DEPOSIT											
Indicated	17,268	0.56	312	0.35	133	0.05	25	0.04	20	2.40	1,351
Inferred	12,899	0.51	212	0.28	80	0.03	14	0.03	12	2.40	982
SALLY DEPOSIT											
Indicated	24,801	0.35	278	0.17	93	0.07	56	0.20	160	0.70	567
Inferred	14,019	0.28	124	0.19	57	0.05	24	0.15	70	0.60	280
TOTAL PROJECT											
Measured	113,793	0.63	2,304	0.20	502	0.07	262	0.21	762	1.49	5,466
Indicated	131,081	0.45	1,886	0.21	599	0.06	263	0.15	629	1.66	6,996
M&I	**244,874**	**0.53**	**4,190**	**0.20**	**1,101**	**0.07**	**525**	**0.18**	**1,391**	**1.58**	**12,462**
Inferred	33,849	0.40	431	0.22	163	0.05	55	0.10	114	1.48	1,607

For Notes see next slide.

MINERAL RESOURCES

The Mineral Resource Estimate includes all three deposits and was prepared by P&E.

Notes:

1. *Mineral Resources were estimated using the Canadian Institute of Mining, Metallurgy and Petroleum (CIM), CIM Standards on Mineral Resources and Reserves, Definitions(2014) and Best Practices Guidelines (2019) prepared by the CIM Standing Committee on Reserve Definitions and adopted by CIM Council.*
2. *Mineral Resources that are not Mineral Reserves do not have demonstrated economic viability. The estimate of Mineral Resources may be materially affected by environmental, permitting, legal, marketing, or other relevant issues.*
3. *The Inferred Mineral Resource in this estimate has a lower level of confidence than that applied to an Indicated Mineral Resource and must not be converted to a Mineral Reserve. It is reasonably expected that the majority of the Inferred Mineral Resource could be upgraded to an Indicated Mineral Resource with continued exploration.*
4. *Mineral Resources are reported within a constraining pit shell at a NSR cut-off value of $13/t.*
5. *NSR (C$/t) = (Ag x 0.48) + (Au x 42.14) + (Cu x 73.27) + (Pd x 50.50) + (Pt x 25.07) – 2.62.*
6. *The Mineral Resource Estimate was based on metal prices of US$3.00/lb copper, US$1,500/oz gold, US$18/oz silver, US$1,600/oz palladium, and US$900/oz platinum.*
7. *Mineral Resources are inclusive of Mineral Reserves.*
8. *Contained metal totals may differ due to rounding.*

MARATHON PROJECT – OPEN PIT MINERAL RESERVES[1-8] – EFFECTIVE SEPT. 15, 2020

The Mineral Reserve Estimate includes only the Marathon deposit and was prepared by G Mining Services Inc.

MINERAL RESERVES	TONNAGE		Pd		Cu		Au		Pt		Ag	
	kt	%	g/t	koz	%	M lbs	g/t	koz	g/t	koz	g/t	koz
Proven	85,091	72%	0.660	1,805	0.202	379	0.070	191	0.212	581	1.359	3,719
Probable	32,610	28%	0.512	537	0.213	153	0.061	64	0.168	176	1.541	1,616
P&P	**117,701**	**100%**	**0.619**	**2,342**	**0.205**	**532**	**0.067**	**255**	**0.200**	**756**	**1.410**	**5,334**

[1] CIM definitions were followed for Mineral Reserves.

[2] Mineral Reserves are estimated at a cut-off grade varying from $18.00 to $21.33 NSR/t of ore.

[3] Mineral Reserves are estimated using the following long-term metal prices (Pd = US$1,500/oz, Pt = US$900/oz, Cu = US$2.75/lb, Au = US$1,300/oz and Ag = US$16/oz) and an exchange rate of US$/$0.75).

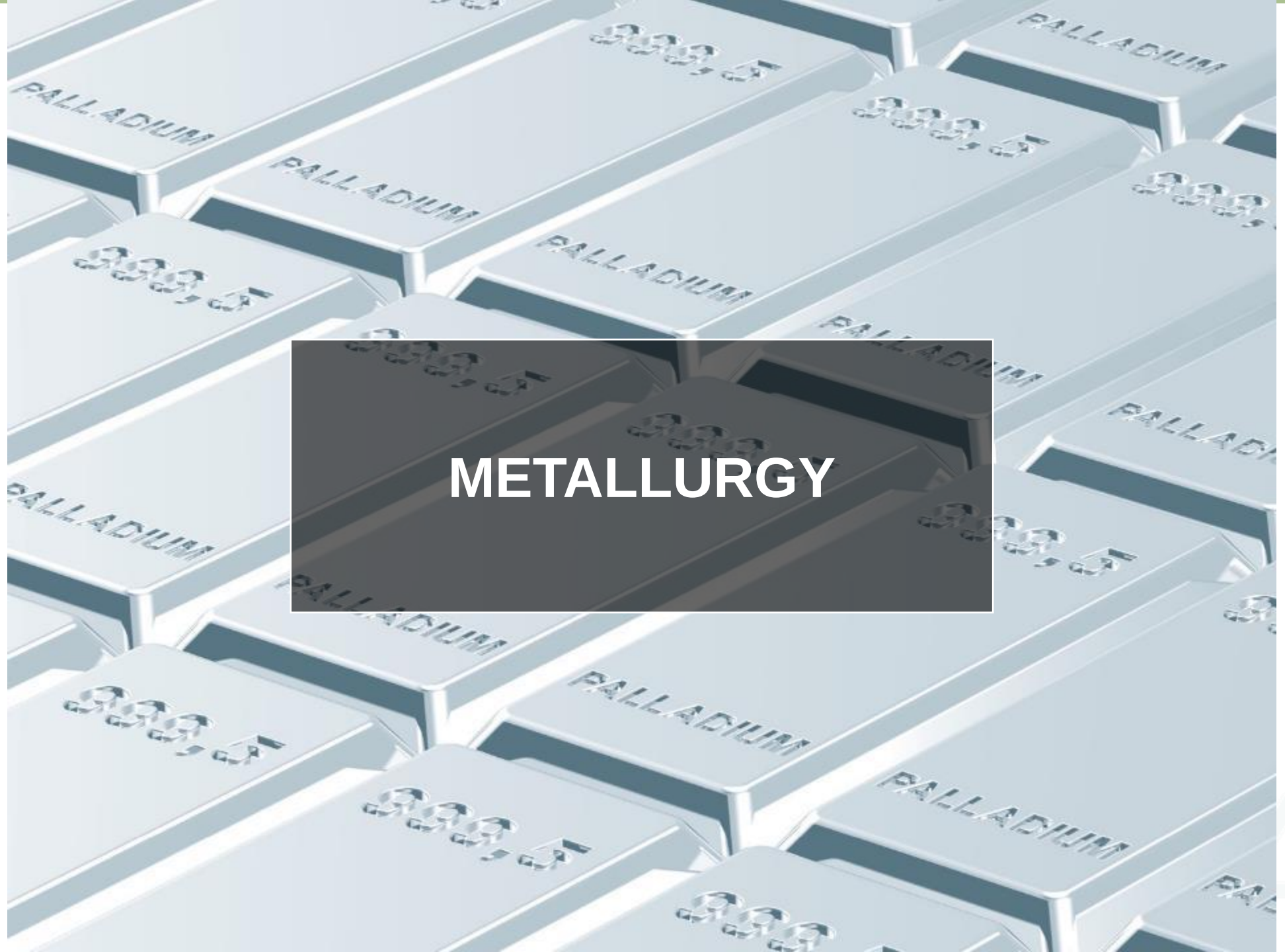
[4] A minimum mining width of 5 m was used.

[5] Bulk density of ore is variable and averages 3.07 t/m^3.

[6] The average strip ratio is 2.8:1.

[7] The average mining dilution factor is 9%.

[8] Numbers may not add due to rounding.


METALLURGY

SIMPLIFIED PROCESS FLOWSHEET

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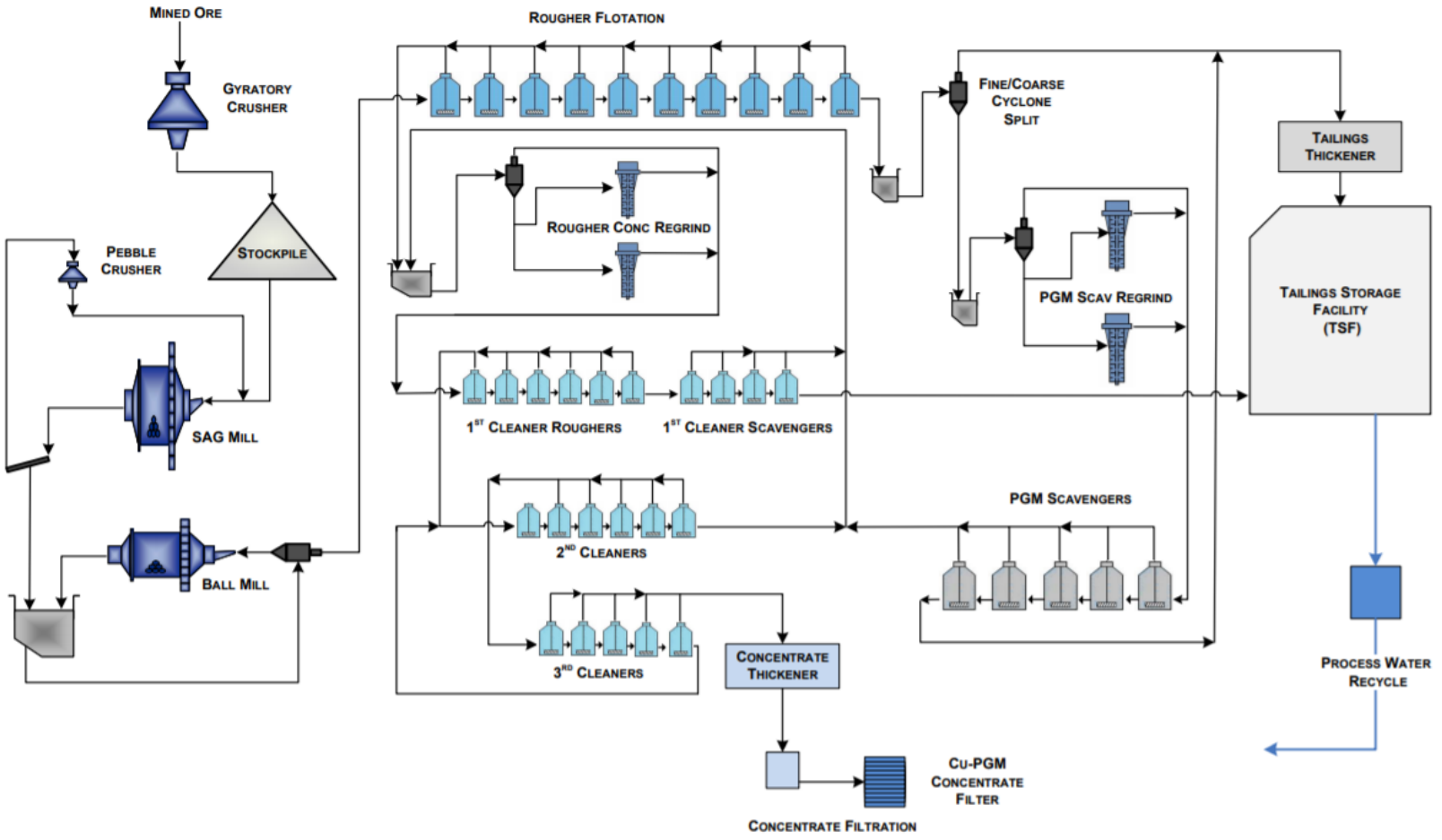

METALLURGICAL TEST PROGRAM - 2020

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OTCQB: GENMF

Element	Unit	South Pit (W-Horizon)	North Pit (Main Zone)
Pd	g/t	171	39
Cu	%	18.7	19.7
Pt	g/t	43.5	7.6
Au	g/t	17.6	3.3
Ag	g/t	50	68
Rh	g/t	2.4	0.58
Ni	%	0.31	0.49
Zn	%	0.1	0.17
Fe	%	20.3	24.7
As	%	0.01	0.01
Sb	%	< 0.002	< 0.002
S	%	17	24
F	%	0.07	0.07
Hg	g/t	<0.3	< 0.3
Si	%	11.3	7
Mg	%	6.2	2.2
V	g/t	80	88
Pb	%	0.02	0.02
Mo	%	< 0.01	< 0.01
Co	%	0.04	0.08
Sn	%	< 0.002	< 0.002
Cl	g/t	18	67
Bi	%	< 0.002	< 0.002
Cd	%	< 0.002	< 0.002
Al_2O_3	%	1.1	3.7
CaO	%	0.9	3.2
Mn	g/t	0.039	355
Cr	g/t	40	40
Ba	g/t	27	85
Se	g/t	174	87
Te	g/t	51	13
SG		3.57	3.71

COMPARISON WITH TOP TEN PRECIOUS METAL MINES IN CANADA 2020 ('000 OZS)*

GENERATIONMINING

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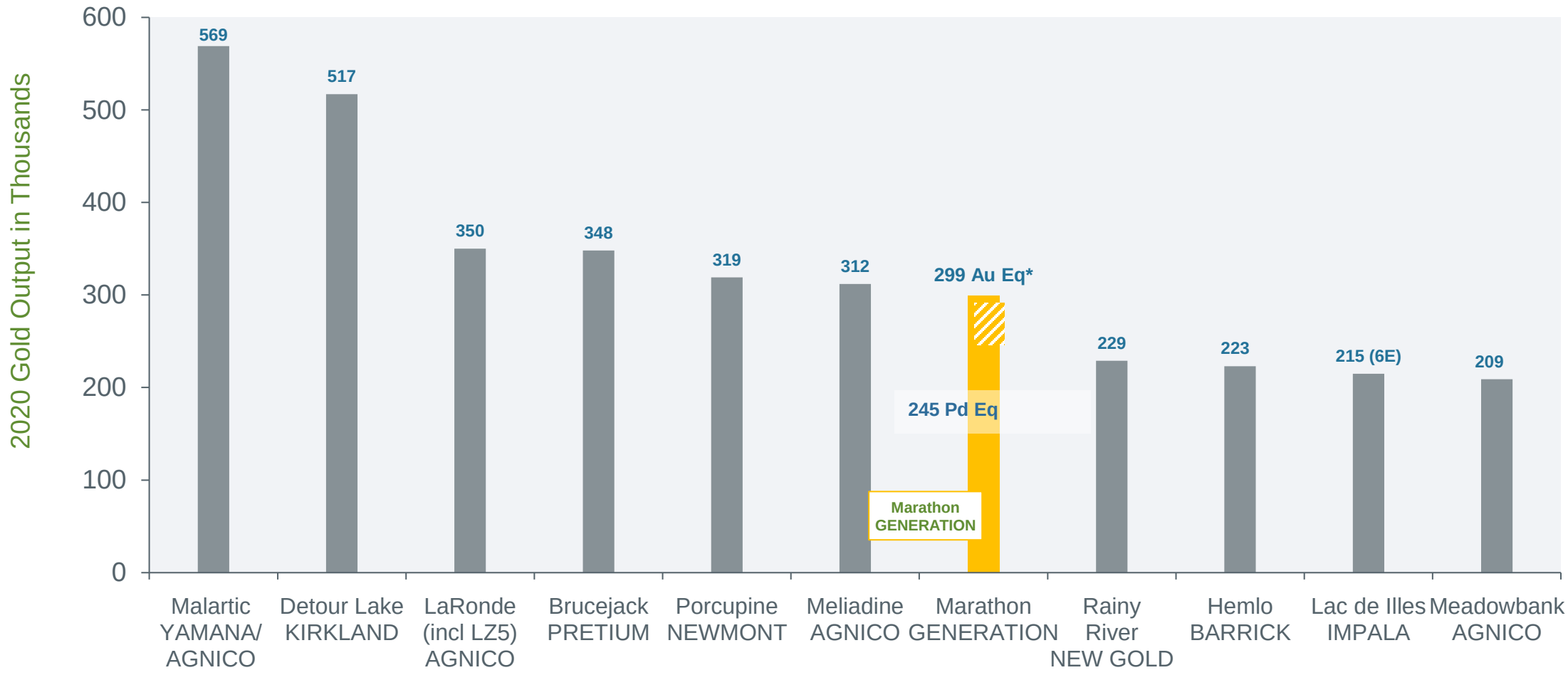
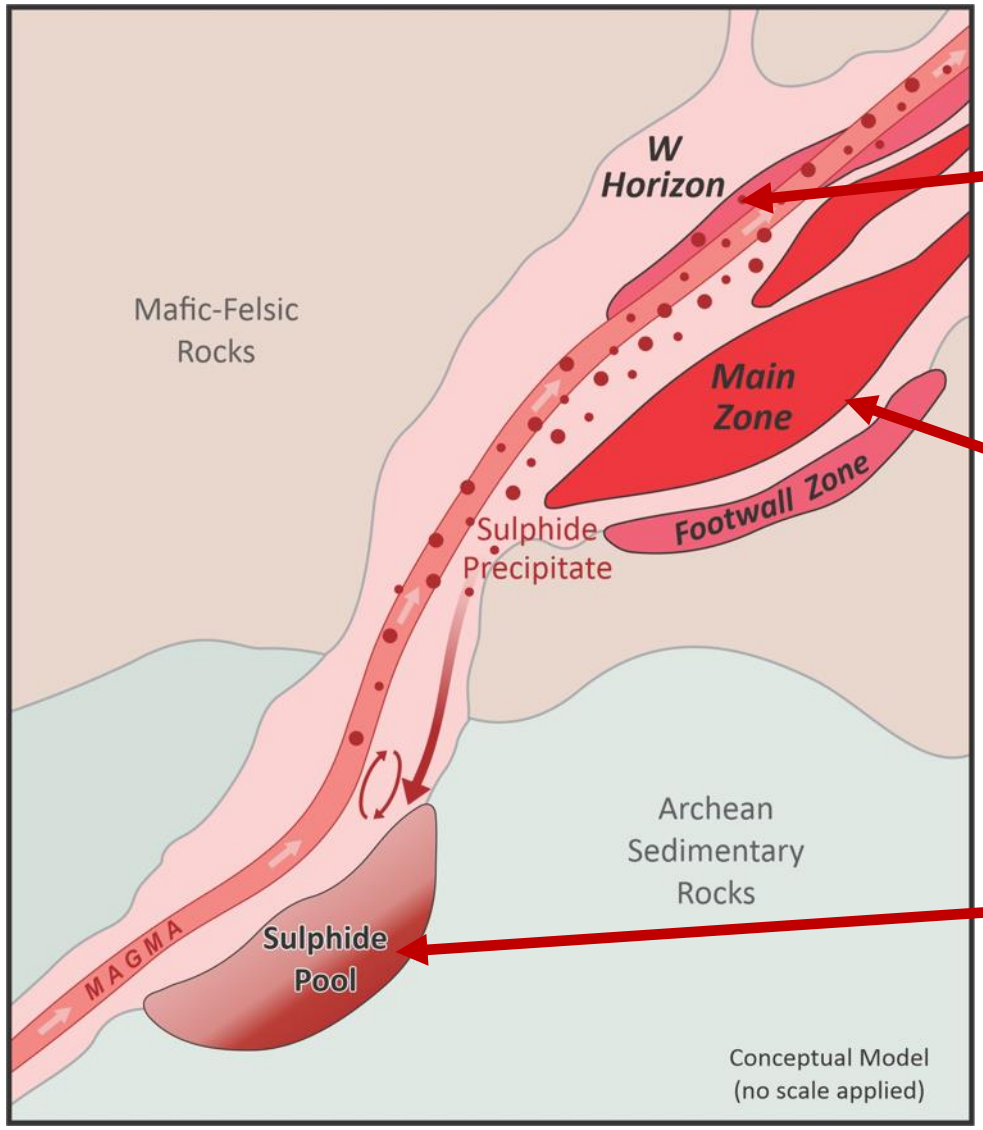
OTCQB: GENMF

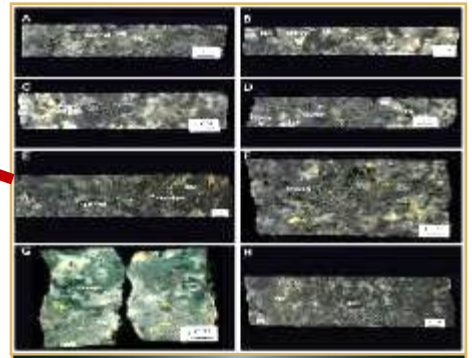


*Exclusive of byproducts
**Based on metal prices used in March, 2021 Marathon Feasibility Study. Not 43 101 compliant

COLDWELL MINERALIZATION MODEL



W Horizon – High Grade



Main Zone Disseminated

Massive Sulphide Model

2021 DRILLING

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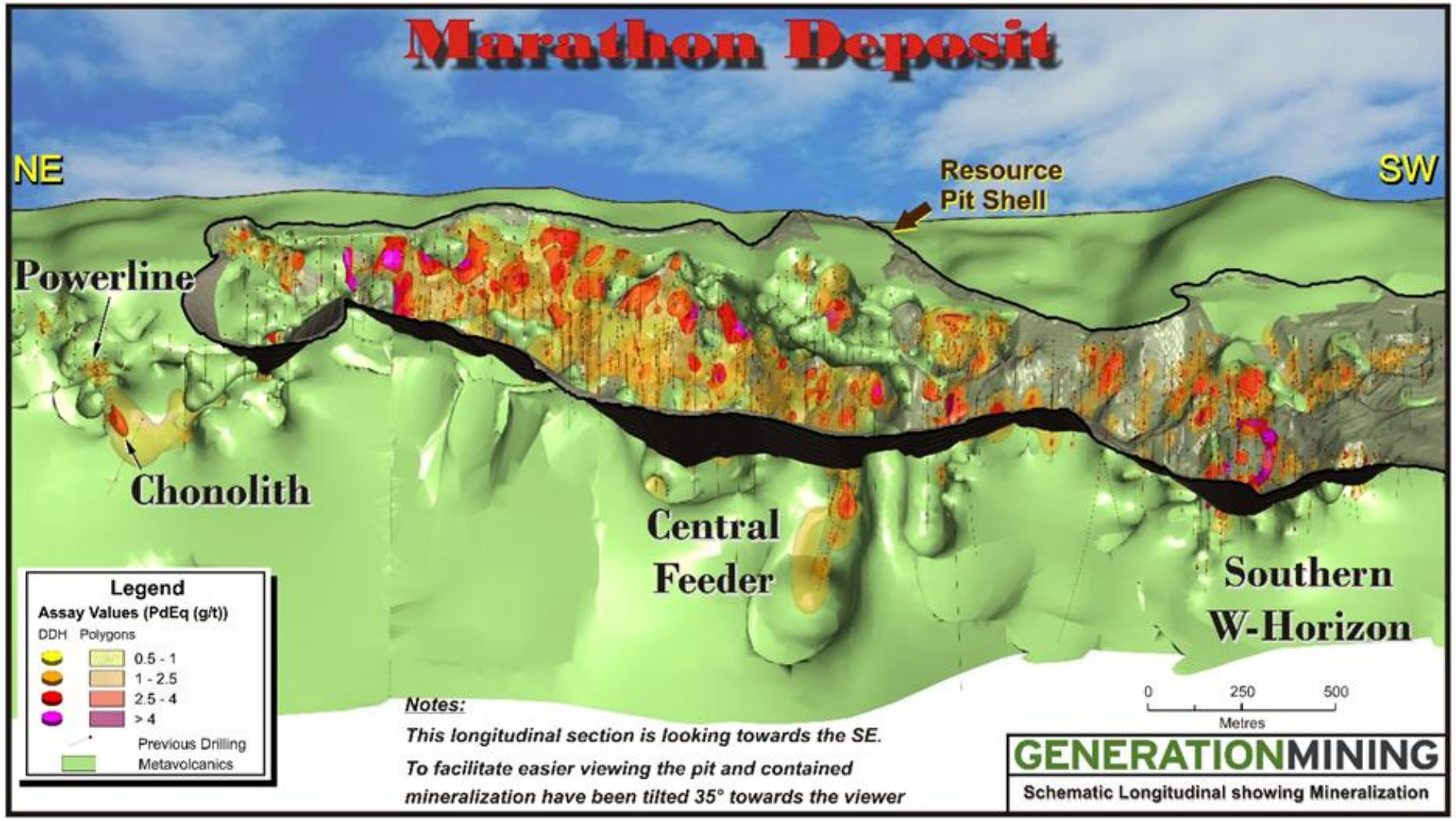
OTCQB: GENMF



Highlights of 2021 Chonolith drilling: Hole 43, 16m @ 2.11 g/t PdEq; Hole 44, 80m @ 1.08 g/t PdEq; Hole 45, 46m @ 1.78 g/t PdEq and 37m @ 1.4 g/t PdEq

CARBON INTENSITY - CANADA

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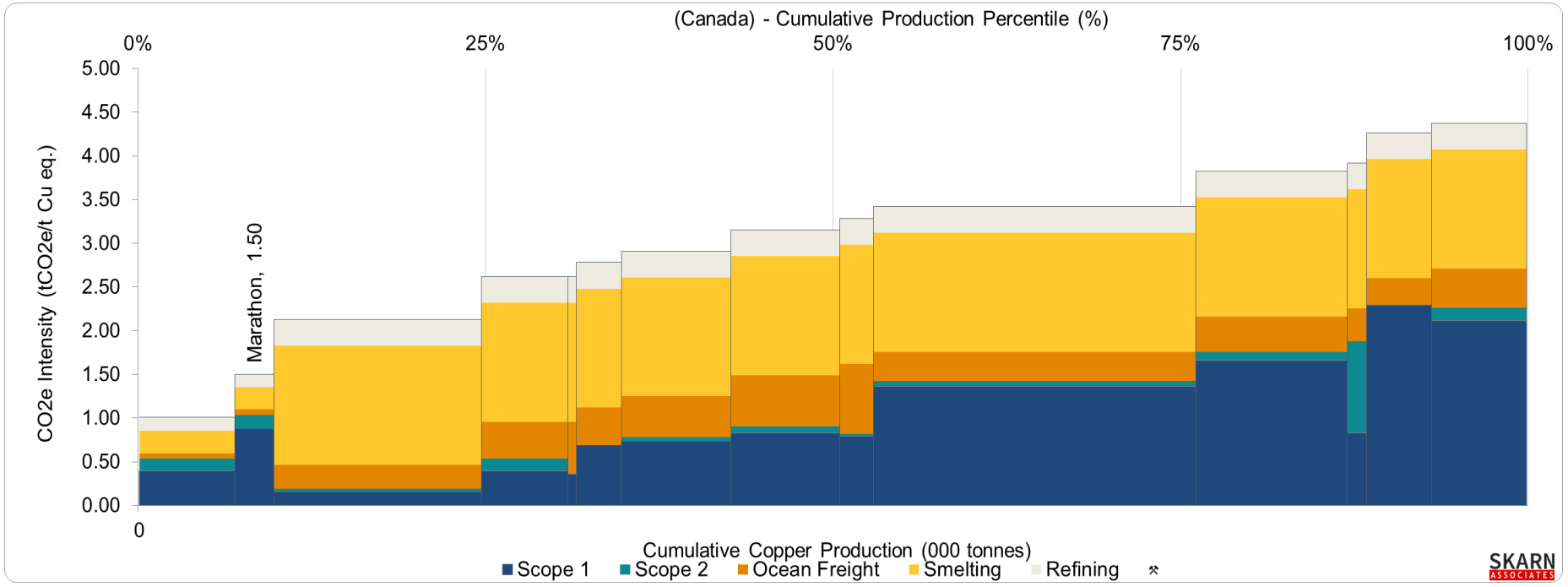
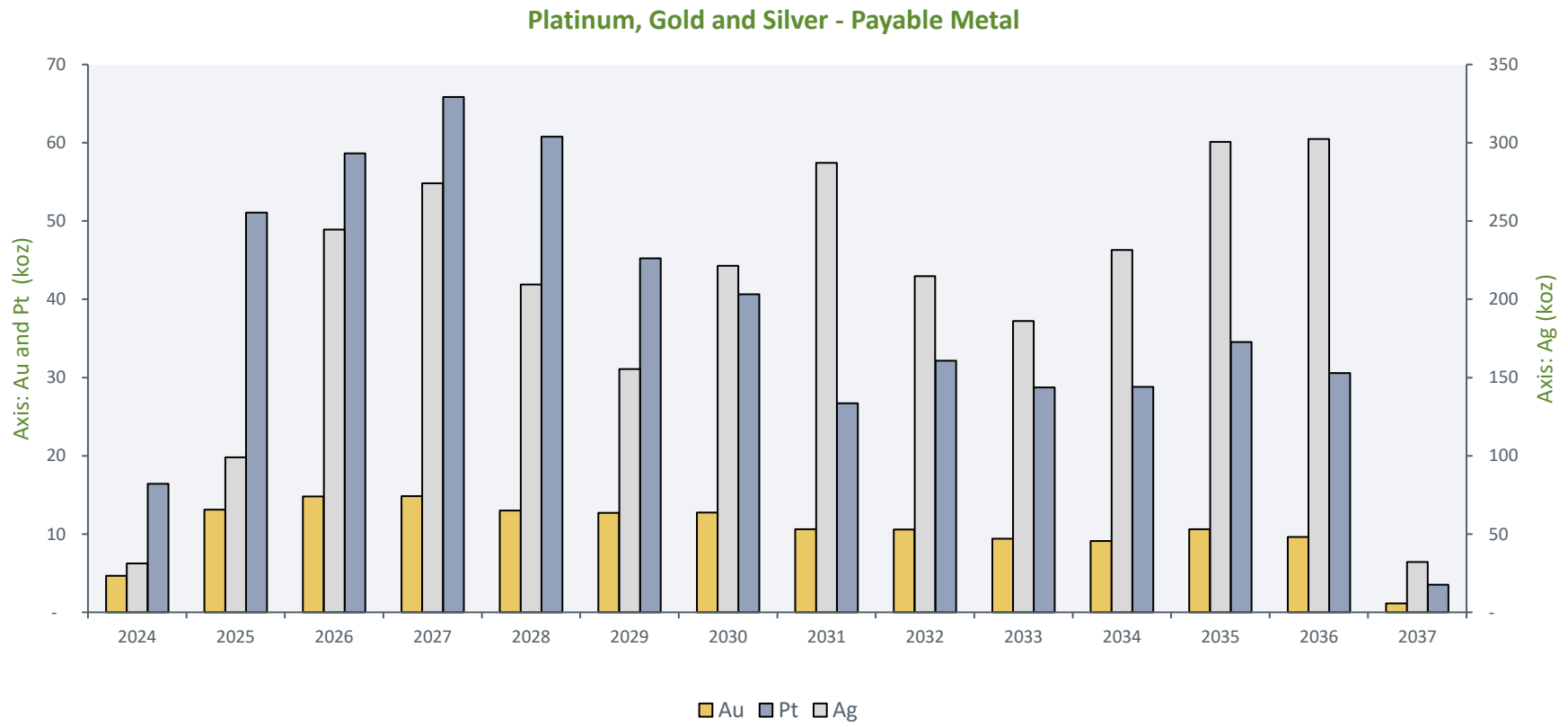
TSX:GENM
OTCQB: GENMF

- 2ND LOWEST IN CANADA FOR CARBON EMISSIONS ON A COPPER EQUIVALENT BASIS ONCE MARATHON IS IN PRODUCTION
- ACCESS TO ONTARIO NUCLEAR POWER GRID OF SIGNIFICANT BENEFIT
- CONTINUED ASSESSMENT OF OPPORTUNITIES TO FURTHER REDUCE



FEASIBILITY STUDY – PRODUCTION PROFILE



LOOKING FOR SOURCE OF HIGH GRADE

Sample K008054,
188.28g/t TPGM,
9.11% Cu, 0.60% Ni,
6.4% S