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**VALUES
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**SUSTAINABILITY
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**OUR PEOPLE
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HUDBAY

COPPER WORLD PHASE I PRE-FEASIBILITY STUDY

September 8, 2023

HUDBAY

CAUTIONARY INFORMATION

This presentation contains forward-looking information within the meaning of applicable Canadian and United States securities legislation. All information contained in this presentation, other than statements of current and historical fact, is forward-looking information. Often, but not always, forward-looking information can be identified by the use of words such as “plans”, “expects”, “budget”, “guidance”, “scheduled”, “estimates”, “forecasts”, “strategy”, “target”, “intends”, “objective”, “goal”, “understands”, “anticipates” and “believes” (and variations of these or similar words) and statements that certain actions, events or results “may”, “could”, “would”, “should”, “might” “occur” or “be achieved” or “will be taken” (and variations of these or similar expressions). All of the forward-looking information in this presentation is qualified by this cautionary note. Forward-looking information is not, and cannot be, a guarantee of future results or events. Forward-looking information is based on, among other things, opinions, assumptions, estimates and analyses that, while considered reasonable by the company at the date the forward-looking information is provided, inherently are subject to significant risks, uncertainties, contingencies and other factors that may cause actual results and events to be materially different from those expressed or implied by the forward-looking information. The risks, uncertainties, contingencies and other factors that may cause actual results to differ materially from those expressed or implied by the forward-looking information are described under the heading “Risk Factors” in our most recent annual information form for the year ended December 31, 2022, our management’s discussion and analysis for the three months ended June 30, 2023 and the forward-looking information available in the coinciding news release. Should one or more risk, uncertainty, contingency or other factor materialize or should any factor or assumption prove incorrect, actual results could vary materially from those expressed or implied in the forward-looking information. Accordingly, you should not place undue reliance on forward-looking information. Hudbay does not assume any obligation to update or revise any forward-looking information after the date of this presentation or to explain any material difference between subsequent actual events and any forward-looking information, except as required by applicable law.

Qualified Person and NI 43-101

The scientific and technical information contained in this presentation has been approved by Olivier Tavchandjian, P. Geo, Hudbay’s Senior Vice-President, Exploration and Technical Services. Mr. Tavchandjian is a qualified person pursuant to Canadian Securities Administrators’ National Instrument 43-101 - Standards of Disclosure for Mineral Projects (“NI 43-101”).

A copy of the NI 43-101 technical report for the PFS will be made available on Hudbay’s SEDAR+ profile at www.sedarplus.ca and on Hudbay’s EDGAR profile at www.sec.gov. The new technical report supports the disclosure in this presentation and will be the current technical report in respect of all the mineral properties that form part of the Copper World project and shall supersede and replace the 2022 PEA in its entirety.

Non-IFRS Financial Performance Measures

Cash cost and sustaining cash cost per pound of copper produced are shown because the company believes they help investors and management assess the performance of its operations, including the margin generated by the operations and the company. Unit operating costs are shown because these measures are used by the company as a key performance indicator to assess the performance of its mining and processing operations. EBITDA is shown to provide additional information about the cash generating potential in order to assess the company’s capacity to service and repay debt, carry out investments and cover working capital needs. This presentation contains certain financial measures which are not recognized under IFRS, such as adjusted net earnings (loss), adjusted net earnings (loss) per share, adjusted EBITDA, net debt, cash cost, sustaining and all-in sustaining cash cost per pound of copper produced, cash cost and sustaining cash cost per ounce of gold produced and combined unit operating costs. For a detailed description of each of the non-IFRS financial performance measures used in this presentation, please refer to Hudbay’s management’s discussion and analysis for the three months ended June 30, 2023 available on SEDAR at www.sedar.com and EDGAR at www.sec.gov.

All amounts in this presentation are in U.S. dollars unless otherwise noted. “Tonnes” refer to metric tonnes and “tons” refer to imperial or U.S. short tons.

AGENDA

- Copper World Phase I 2023 PFS Highlights
- 2023 PFS Comparison vs. 2022 PEA
- Simplified Project Design
- Social & Environmental Benefits
- Updated Mineral Reserves and Resources
- Project Optimization & Upside Opportunities
- Prudent Financing Strategy
- Project Positioning
- Q&A



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RELATIONS

COPPER WORLD PHASE I PFS HIGHLIGHTS

\$1.1B

Net present value
at 8% discount rate
(after-tax)¹

19.2%

Internal rate of return¹

20 year

mine life

\$372M

Avg. annual EBITDA³

\$1.3B

initial growth capex

Annual Cu production of **92kt** in the first



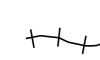

10 years and **85kt** over the mine life²

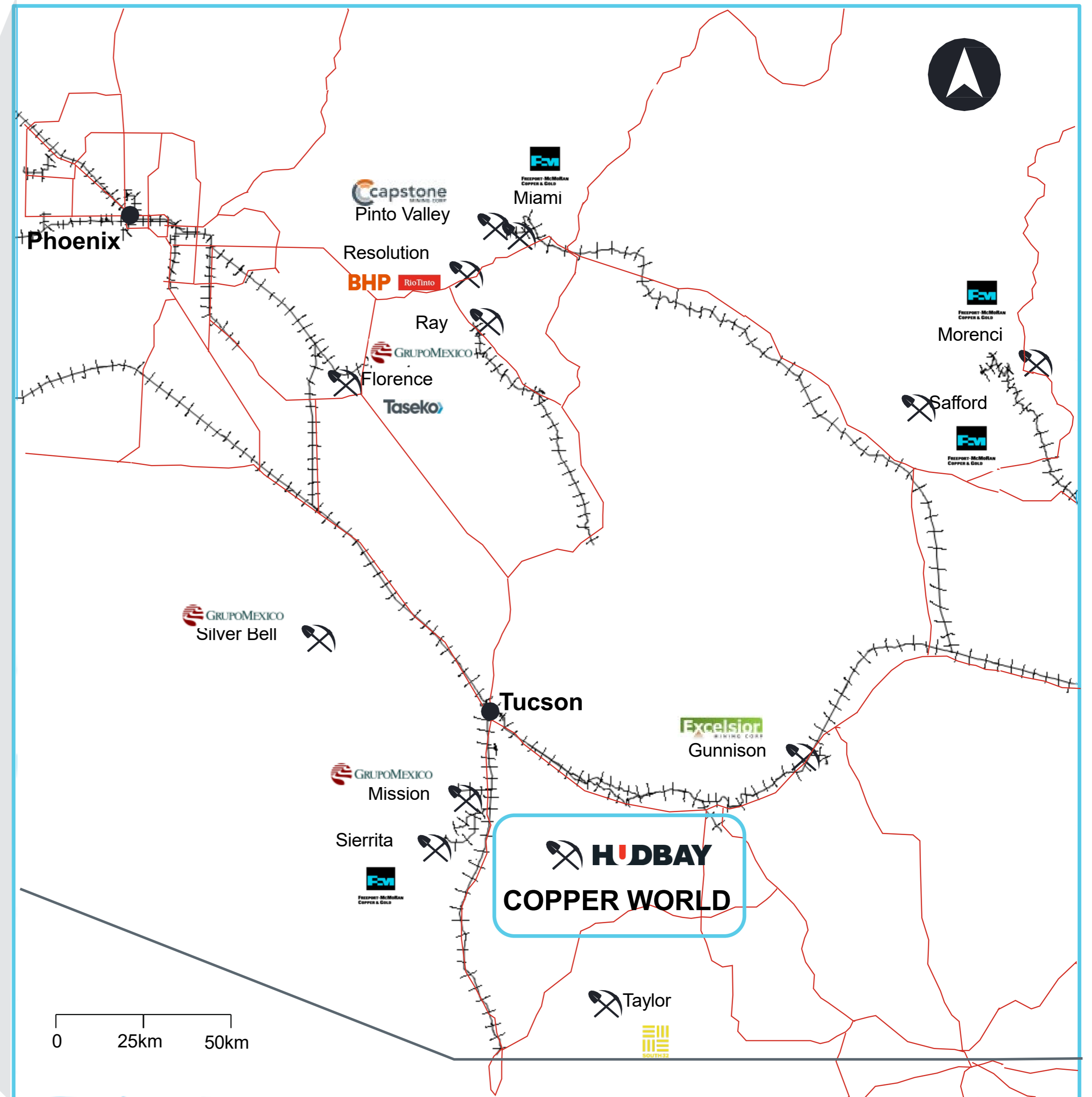
\$1.47

Avg. Cash Cost⁵

- Phase I after-tax **NPV (8%) of \$1.1 billion, 19% IRR** at \$3.75/lb Cu
 - Simplified project design with traditional open pit shovel and truck operation
 - Conventional flotation concentrator producing Cu concentrate and Mo concentrate
 - Cu cathode production from concentrate leach facility starting in year 5
- Annual Cu production of **92kt over the first 10 years** at \$1.53/lb cash costs and \$1.95/lb sustaining cash costs
- **Life-of-mine Cu production of 85kt** at \$1.47/lb cash costs and \$1.81/lb sustaining cash costs

COPPER WORLD LOCATION

-  MINE
-  TOWN
-  RAIL
-  ROAD

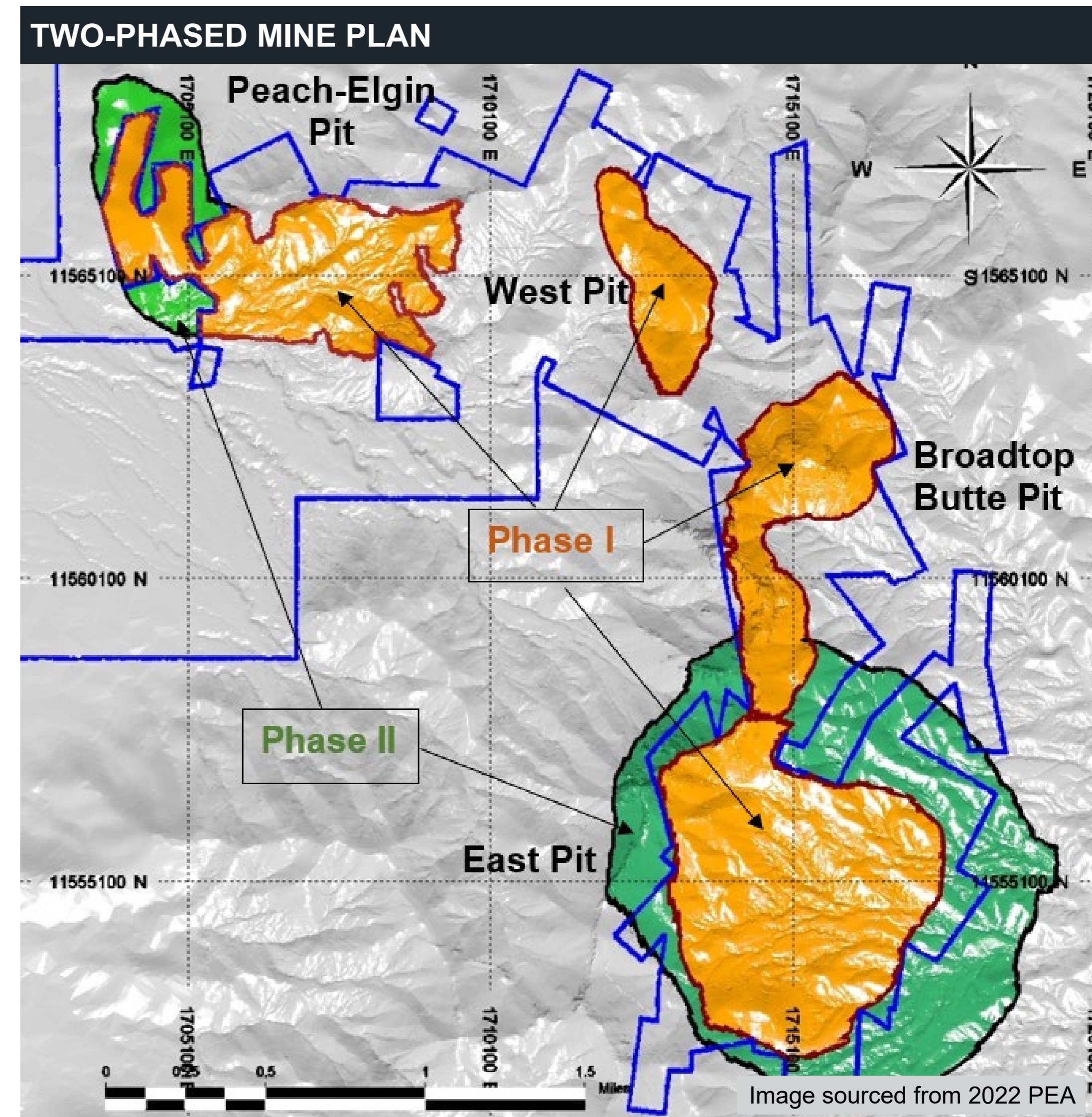


Maps are not to scale

EXECUTION OF ALTERNATIVE STRATEGY

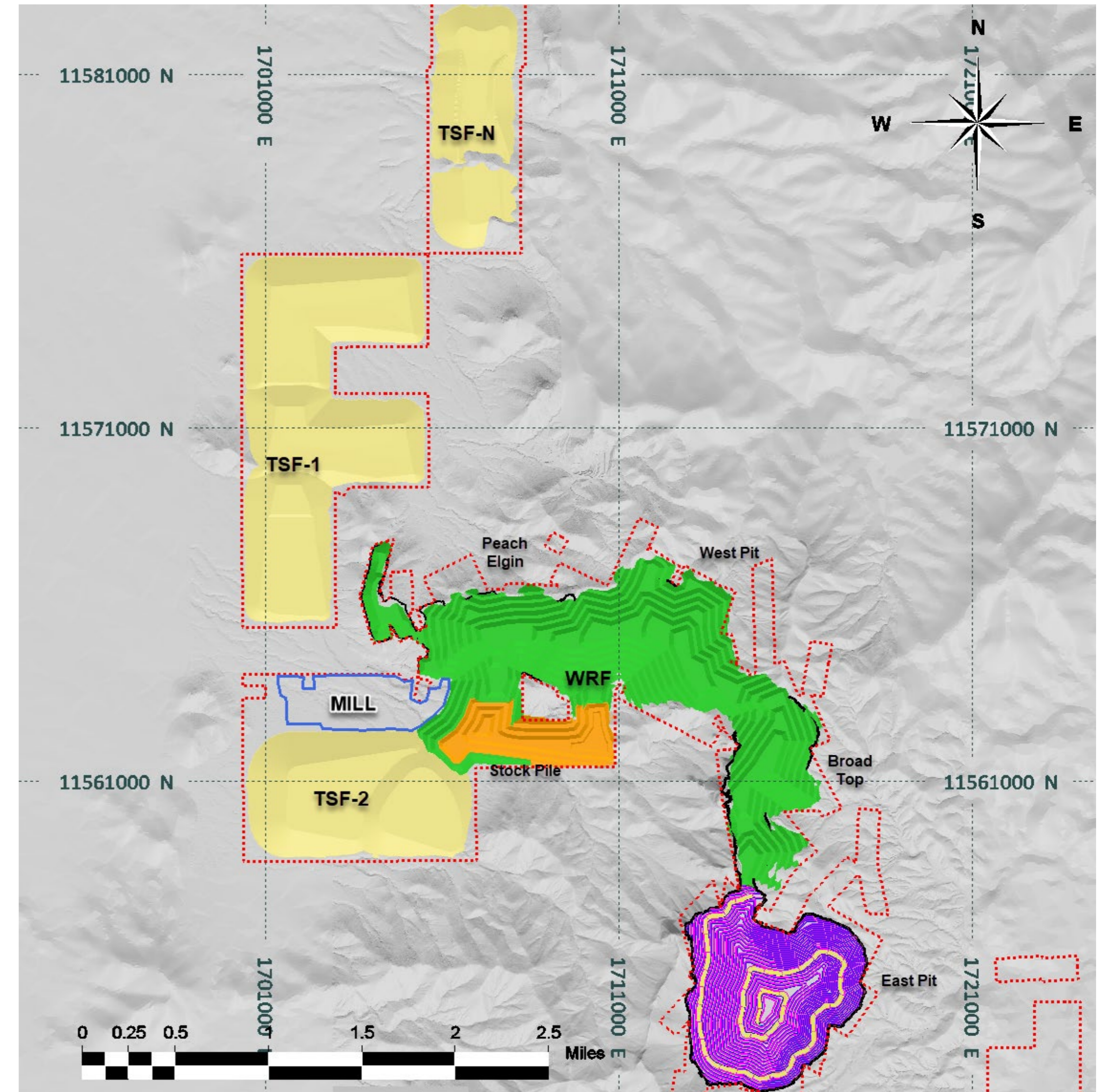
SUCCESSFUL PIVOT TO TWO-PHASED PLAN REQUIRING STATE AND LOCAL PERMITS ONLY FOR PHASE I

- Discovered New Mineralization on Patented Mining Claims
 - Initiated a drill program in 2020 and subsequently expanded throughout 2021 with encouraging results
 - Discovered oxide and sulfide mineralization over a 7km strike area
- Expanded Private Land Package
 - Acquired additional land in the area to support an operation requiring state and local permits only
 - Total package now includes approximately 5,500 acres
- Defined Two-Phased Plan & Unlocked District Potential
 - Robust Phase I with attractive project economics, optimized flow sheet and simplified permitting process
 - Phase II offers significant upside potential by expanding onto federal land
- Advanced Technical Studies & State-Level Permitting
 - Initiated in 2021 with Mined Land Reclamation Plan (“MLRP”)
 - Currently advancing aquifer protection permit (“APP”) and air quality permit (“AQP”), which are the remaining key state-level permits



2023 PFS – SIMPLIFIED PROJECT DESIGN FOR PHASE I

- **Simplified mine plan** consists of four open pits and is now optimized solely on the flotation of both copper sulfides and oxides
- **Simplified processing flow sheet** includes conventional sulfide flotation concentrator with copper concentrate as final product for the first 4 years and leaching of concentrate to produce copper cathode starting in year 5
- **Simplified site layout** with the construction of three tailings storage facilities for Phase I and provides storage for 385M tonnes, sufficient for 20 years of mine life
- **Simplified permitting process** with operations on land requiring state and local permits only



2023 PFS – ENHANCED PROJECT ECONOMICS FOR PHASE I

SIMPLIFIED FLOW SHEET AND EXTENDED MINE LIFE TO 20 YEARS

- Advanced metallurgical studies and engineering activities on Phase I for simplified flow sheet
 - 60,000 stpd sulfide concentrator producing concentrate as a final product
 - Concentrate leach facility and SX/EW start up in year 5 to produce copper cathodes
 - Potential for concentrate leach facility to be fully funded from operating cash flows or benefit from future government incentives for critical minerals processing
- Detailed test work completed on different concentrate leach technologies
 - Glencore Technology's Albion Process ("Albion") selected as preferred technology with one of the highest copper extraction rates and offers flexibility to scale the plant in the future
- Enhanced project economics with higher grades, lower capex and longer mine life in Phase I
 - Variable cut-off grade strategy allows for higher grades in the first 10 years, increasing annual production to ~92,000 tonnes of copper at cash costs and sustaining cash costs of \$1.53/lb and \$1.95/lb, respectively
 - Optimized site layout with simplified processing plan allows extension of mine life to 20 years in Phase I
 - Construction of concentrate leach facility in year 4 reduces initial capex to \$1.3 billion

Phase I NPV (8%) of \$1.1 billion and 19% IRR at \$3.75/lb Cu

DEVELOPMENT STRATEGY – DE-RISKING COPPER WORLD

EXPLORATION DRILLING

- ✓ Identification of historic mineralization and deposits in the Copper World areas
- ✓ Exploration program initiated in October 2020
- ✓ 2021 exploration budget increased by +300%
- ✓ 7 deposits identified with over 200,000 feet drilled to-date and drilling continues at site

ADDITIONAL PRIVATE LAND PURCHASES

- ✓ Purchased +2400 acres of additional private land to host infrastructure and tailings

INITIAL COPPER WORLD RESOURCE

- ✓ 310 holes used to define initial resource at Copper World containing high-grade areas closer to surface than at East (formerly Rosemont)
- ✓ Drilling at Copper World continues to identify additional mineralization and convert material to higher classifications
- ✓ Resource model for East (formerly Rosemont) redone following Constancia's approach results in lower tonnage at higher grade

PEA

- ✓ Combines initial resources from Copper World and new resource model for East (formerly Rosemont)
- ✓ Two phase development plan with first 16 years on private land
- ✓ Production of cathodes from leaching both concentrates and oxides
- ✓ Rosemont rebranded to East Deposit within Copper World

PFS

- ✓ Enhanced Phase I project economics with longer 20-year mine life and higher Cu grades
- ✓ De-risked and simplified plan with lower initial project capital
- ✓ Flotation only for first four years
- ✓ Concentrate leach facility start up in year 5 to produce copper cathodes

STATE PERMITTING & FINANCING STRATEGY

- ✓ Released 3-P financing plan for sanctioning
- ✓ Permitting process initiated in 2021 - MLRP approved in October 2021; amended MLRP for larger footprint approved in 2022
- APP and AQP applications submitted in late 2022
- Minority JV partner process to be completed prior to commencing a definitive feasibility study

MLRP = Mined Land Reclamation Plan APP = Aquifer Protection Permit AQP = Air Quality Permit

DESIGNED TO REDUCE ENERGY CONSUMPTION AND GHG EMISSIONS

“MADE IN AMERICA” COPPER CATHODE TO SUPPORT DOMESTIC U.S. COPPER CONSUMPTION



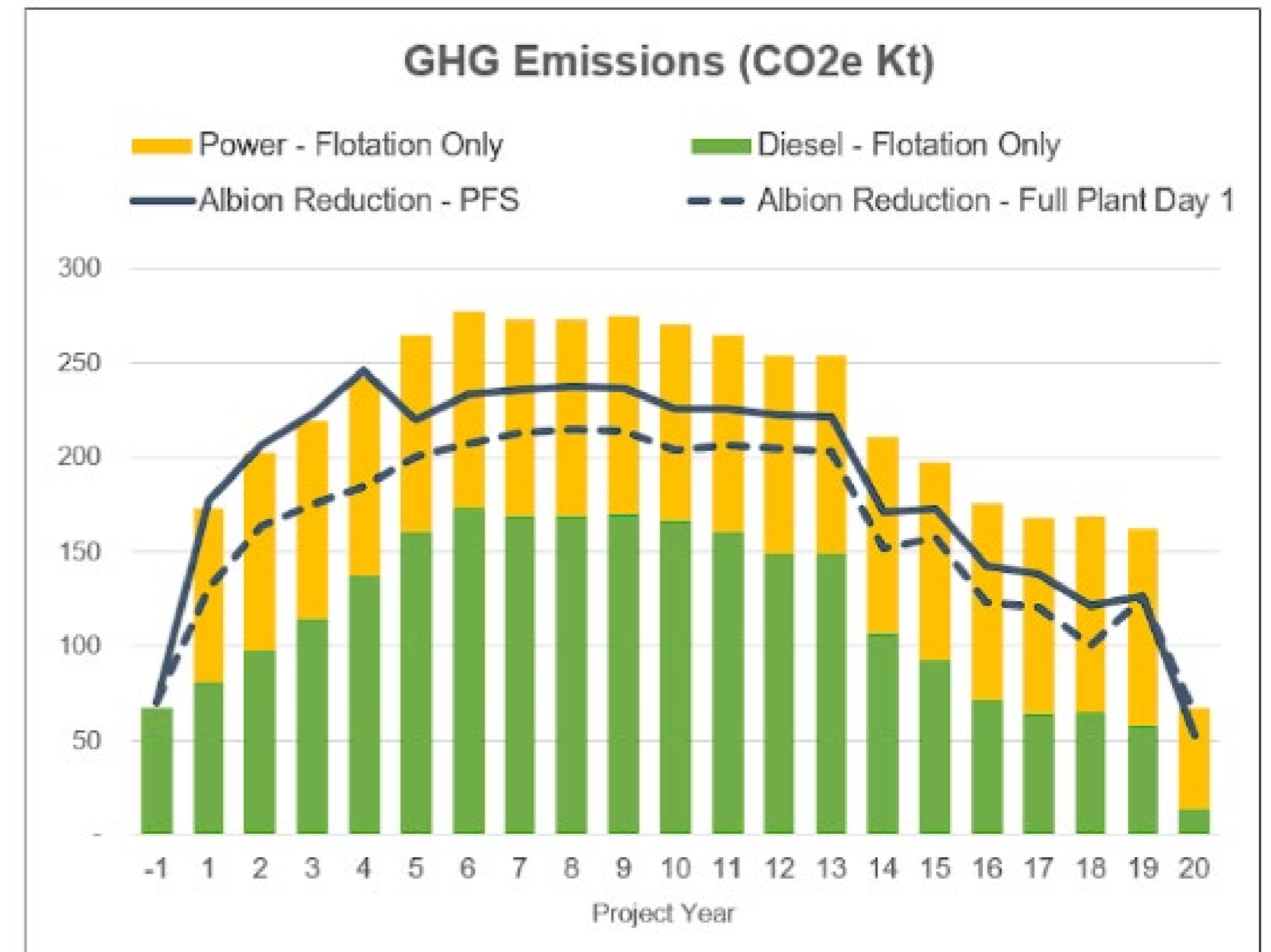
↓ 10%

lower energy consumption, including 30% decline related to downstream processing

↓ 14%

reduction in total scope 1, 2 & 3 GHG emissions

- Copper World copper cathode expected to be sold entirely to domestic U.S. customers
- Onsite cathode production reduces the operation's total energy consumption, GHG emissions and sulfur (SO₂) emissions by eliminating overseas shipping, smelting and refining
- Many local benefits, including over \$850M in U.S. taxes, more than 400 direct jobs and up to 3,000 indirect jobs in Arizona



PHASE I PFS COMPARISON WITH PHASE I PEA

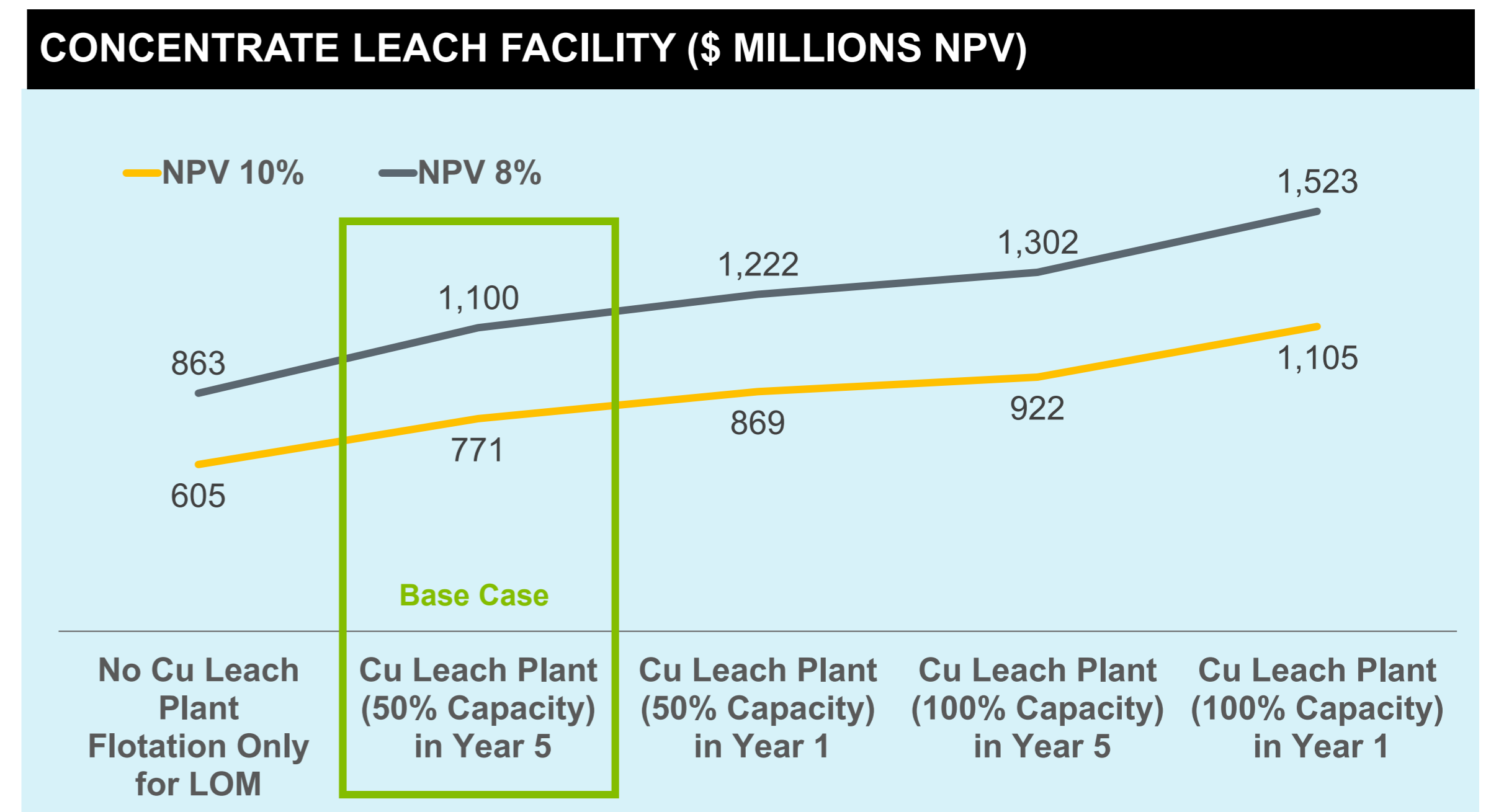
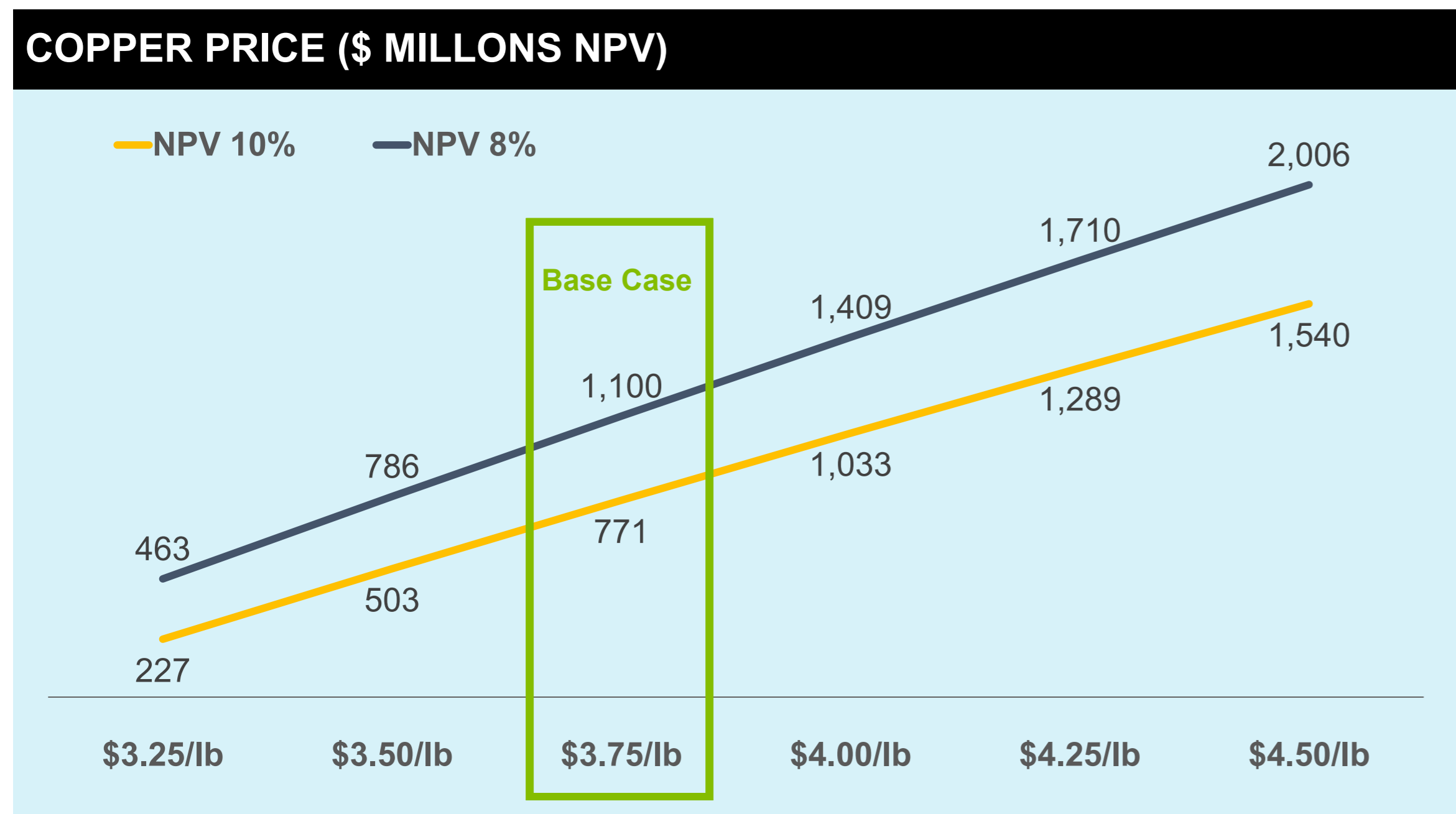
	2022 PEA – PHASE I	2023 PFS – PHASE 1
Mine Life	16-year State and local permitting	20-year State and local permitting
Total Production	1.4Mt Cu	1.6Mt Cu
Avg. Annual Production	86kt	85kt (92kt in first 10 years)
Avg. Mill Head Grade	0.47%	0.54%
Sulfide Concentrator Capacity	60k stpd Additional ~20k stpd oxide leach	60k stpd
Concentrate Leach Facility	100% capacity Starting in year 1	50% capacity Starting in year 5
Project Capex	\$1.9B	\$1.3B
Purchasing Cu Concentrate	Purchase of external Cu concentrate to fill Cu cathode production capacity	Minimal purchasing of external Cu concentrate (limited to last two years of mine life)
Significant Upside Potential	4.8Mt in total in-situ Cu contained in M&I mineral resources	5.0Mt in total in-situ Cu contained in M&I mineral resources (inclusive of reserves)

"stpd" = short tons per day

LEVERAGE TO HIGHER COPPER PRICES WITH PROJECT OPTIONALITY

ROBUST ECONOMICS IN ALL SCENARIOS; FLEXIBILITY TO FURTHER OPTIMIZE THE PROJECT WITH CONCENTRATE LEACH

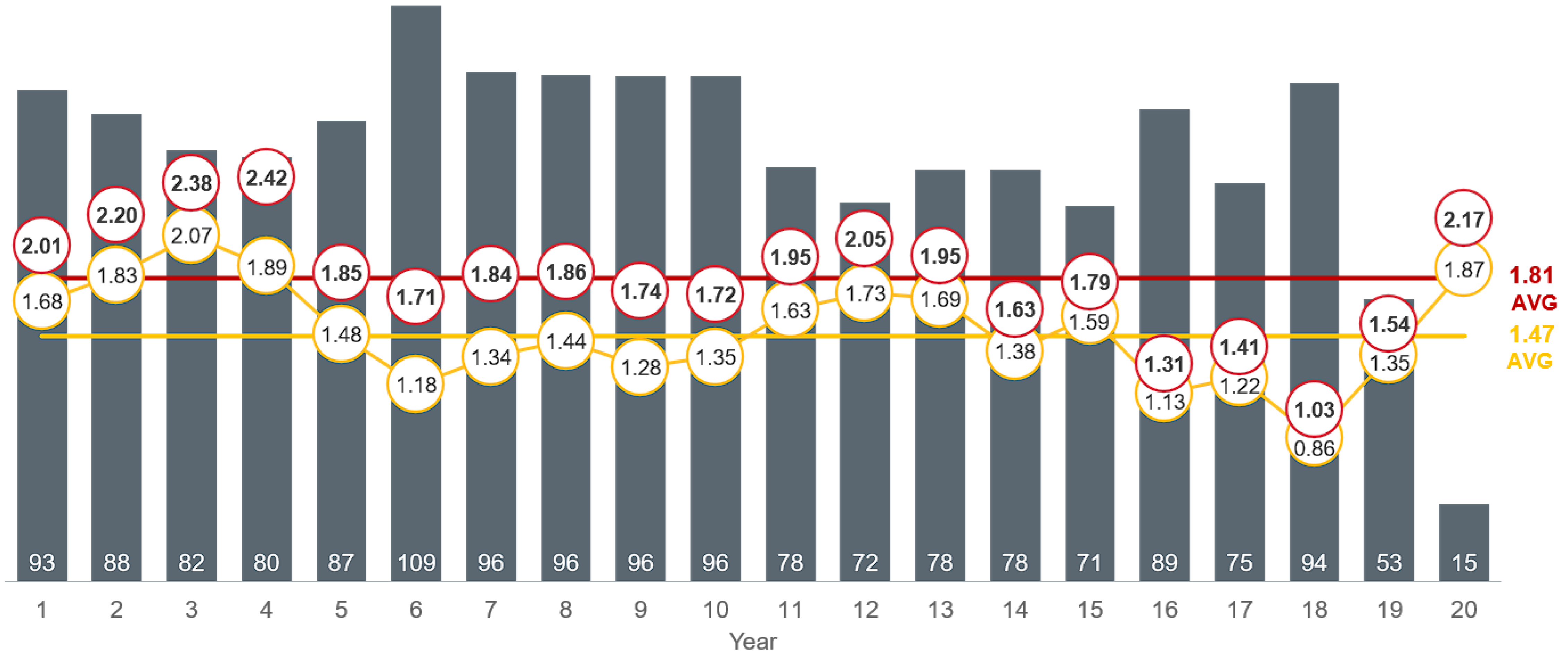
- At \$4.25/lb Cu, the Phase I NPV8% increases to \$1.7B and IRR increases to 25.5%
- Attractive flotation-only scenario economics: NPV8% of \$863M and IRR of 18.7%
- Demonstrates the project is robust even without the concentrate leach facility, providing opportunity to further optimize the project with flexibility in timing and size of the concentrate leach facility and potential funding/government incentives for critical materials processing



PHASE I PRODUCTION PROFILE

**Phase I Average Annual
Production: 85kt Cu
Cash Costs: \$1.47/lb Cu
AISC: \$1.81/lb Cu**

■ Copper World Production (Ktonne Cu) ○ Sustaining Cash Cost (US\$ / lb Cu)
○ Cash Cost (US\$ / lb Cu)



MINERAL RESERVE AND RESOURCE ESTIMATES

- Contained copper in **measured and indicated mineral resources**, inclusive of mineral reserves, has **increased by 4%** as compared to the mineral resources in the 2022 PEA
- Contained copper in **mill feed increased by 41%** due to higher grades and flotation of both copper sulfides and oxides

COMPARISON OF MINERAL RESOURCE ESTIMATES^{1,2}

	2022			2023			% Change Cu (000 tonnes)
	Tonnes (millions)	Cu Grade (%)	Cu (000 tonnes)	Tonnes (millions)	Cu Grade (%)	Cu (000 tonnes)	
Measured and Indicated	1,173	0.41	4,829	1,205	0.42	5,020	4%
Inferred	262	0.37	957	275	0.32	893	-7%

COMPARISON OF PHASE I MILL FEED

	2022			2023			% Change Cu (000 tonnes)
	Tonnes (millions)	Cu Grade (%)	Cu (000 tonnes)	Tonnes (millions)	Cu Grade (%)	Cu (000 tonnes)	
Mill Feed	316	0.47	1,473	385	0.54	2,082	41%

¹ 2023 mineral resource estimates are inclusive of mineral reserve estimates.

² 2022 mineral resource estimates include both flotation and leach material and were based on metals prices and other assumptions set forth in the 2022 PEA.

PROJECT OPTIMIZATION & UPSIDE OPPORTUNITIES

MANY OPPORTUNITIES TO FURTHER INCREASE PRODUCTION, EXTEND MINE LIFE AND REDUCE ENVIRONMENTAL IMPACTS

■ ***Mine Life Extension Potential***

- There remains ~60% of total copper contained in measured and indicated mineral resources excluding PFS reserves, providing significant potential for the Phase II expansion and mine life extension. Additional upside potential exists from inferred mineral resources at a comparable copper grade

■ ***Increased Concentrate Leach Capacity***

- Selected concentrate leach technology allows future scalability to further enhancing project economics and IRR. Operating the Albion plant at 100% capacity could reduce total GHG emissions by 25% compared to an operation that only produces copper concentrate

■ ***Access to Federal Green Funding Incentives***

- Exploring options for government incentives to help fund the future development of the concentrate leach facility, which may offer attractive financing terms and allow the construction of the concentrate leach facility to occur earlier and potentially at a larger capacity with improved project economics

■ ***Earlier Receipt of Federal Permits for Phase II Expansion***

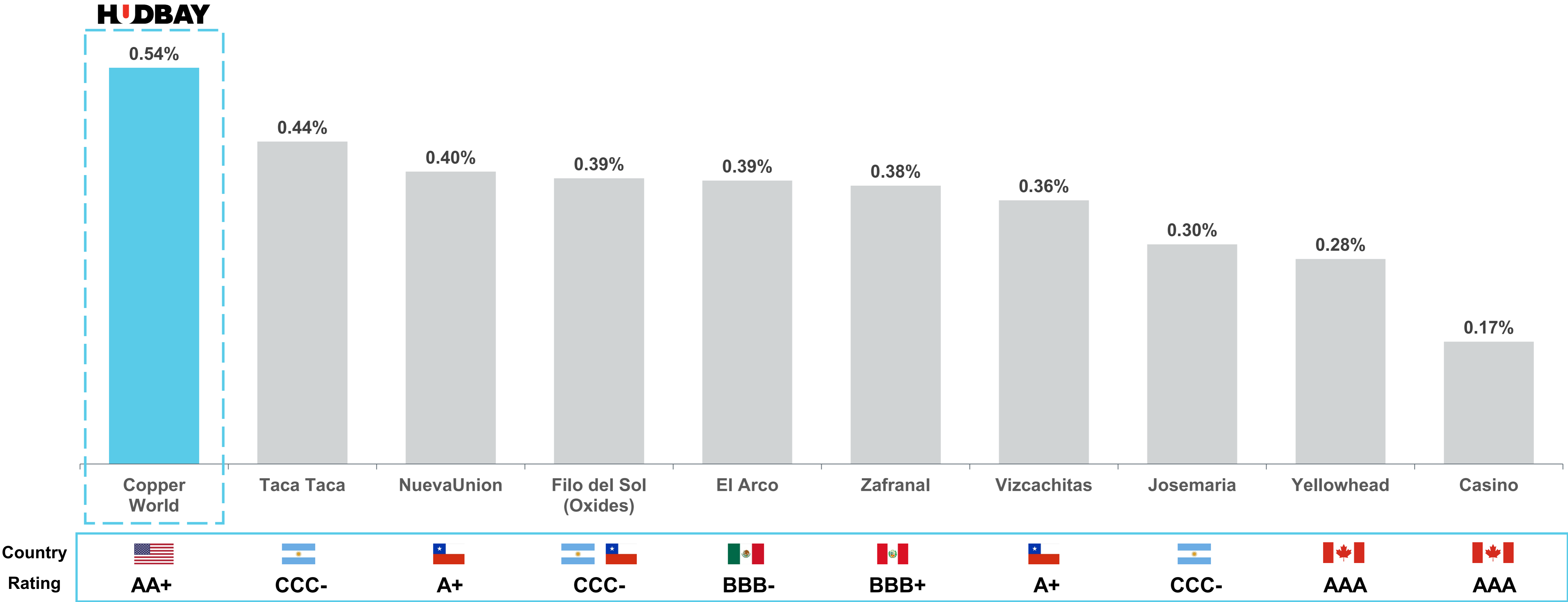
- Potential to secure federal permits well before the end of the life of Phase I, which could allow the mining of more high-value tonnes earlier in the mine life and significantly increase annual copper production, project economics and IRR

■ ***Green Opportunities***

- Potential to source renewable energy from local providers at a nominal cost, the use of autonomous or electric haul trucks and various post-reclamation land uses such as domestic renewable energy production

HIGHEST GRADE COPPER MINE VERSUS COMPARABLE PROJECTS

2P RESERVE GRADE (% Cu)¹

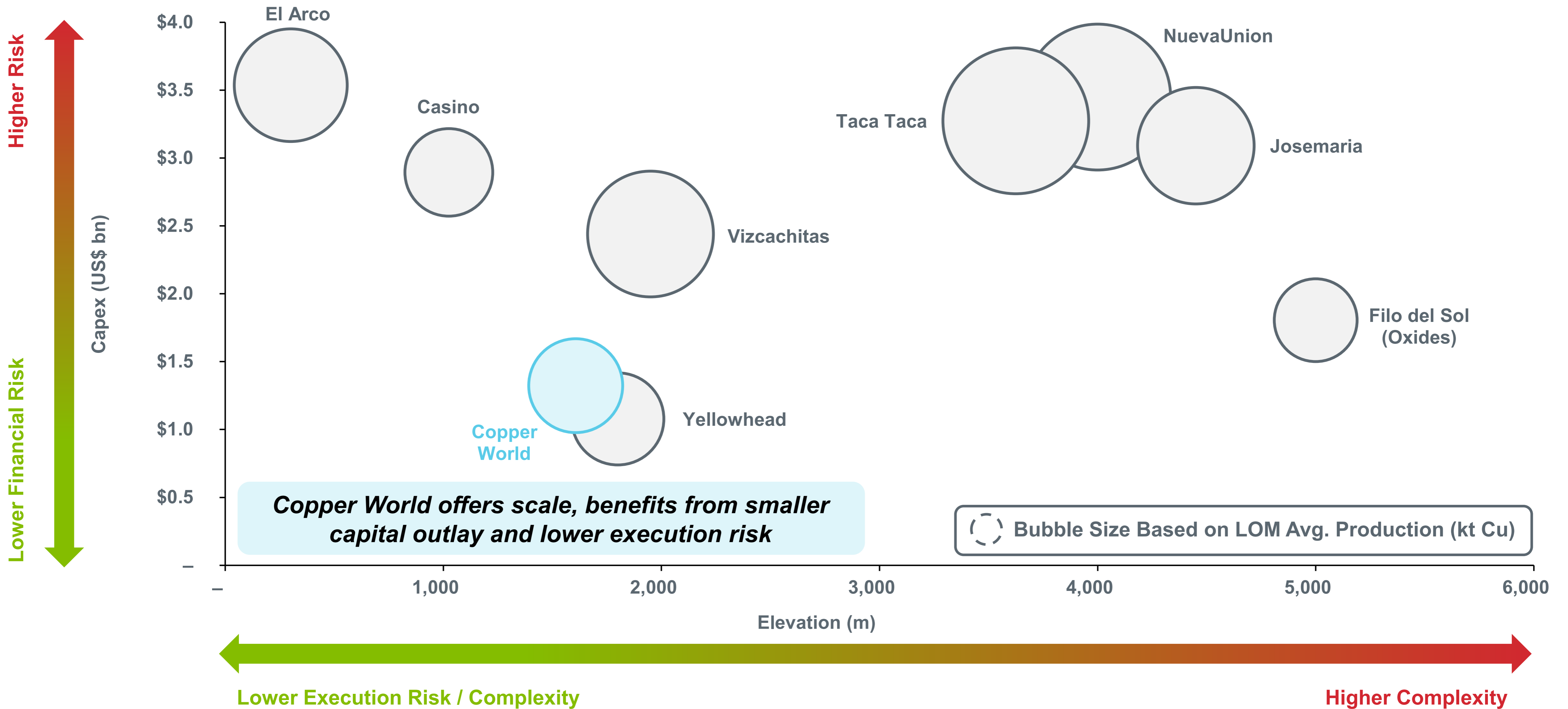


Copper World is one of the highest-grade open-pit greenfield projects in the Americas

Source: Company public filings
 1. Comprised of greenfield, open pit, porphyry projects with reserves located in the Americas, with LOM average Cu production of +65kpta.

ONE OF THE BEST UNDEVELOPED COPPER PROJECTS

CAPITAL LIGHT, LOW COMPLEXITY PROJECT



PRUDENT FINANCING STRATEGY

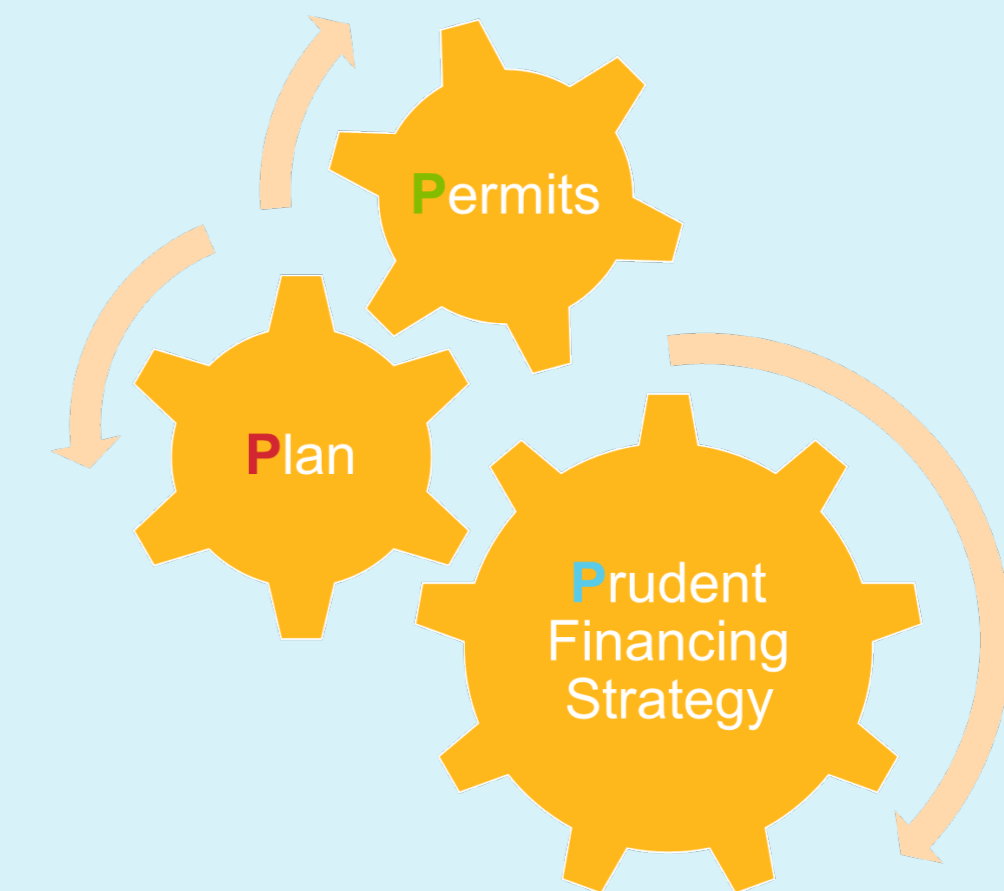


THREE PREREQUISITES PLAN (“3-P”)

Permits	Receipt of all state level permits required for Phase I	
Prudent Financing Strategy	Joint Venture Partner	Committed minority JV partner
	Stream Partner	Renegotiated precious metals stream agreement with Wheaton
	Leverage	Net debt / EBITDA ratio of less than 1.2x
	Cash	Minimum cash balance of \$600M
	Project-level Debt	Limited (up to \$500M) non-recourse project level debt
Plan	Definitive feasibility study complete with an IRR of greater than 15%	

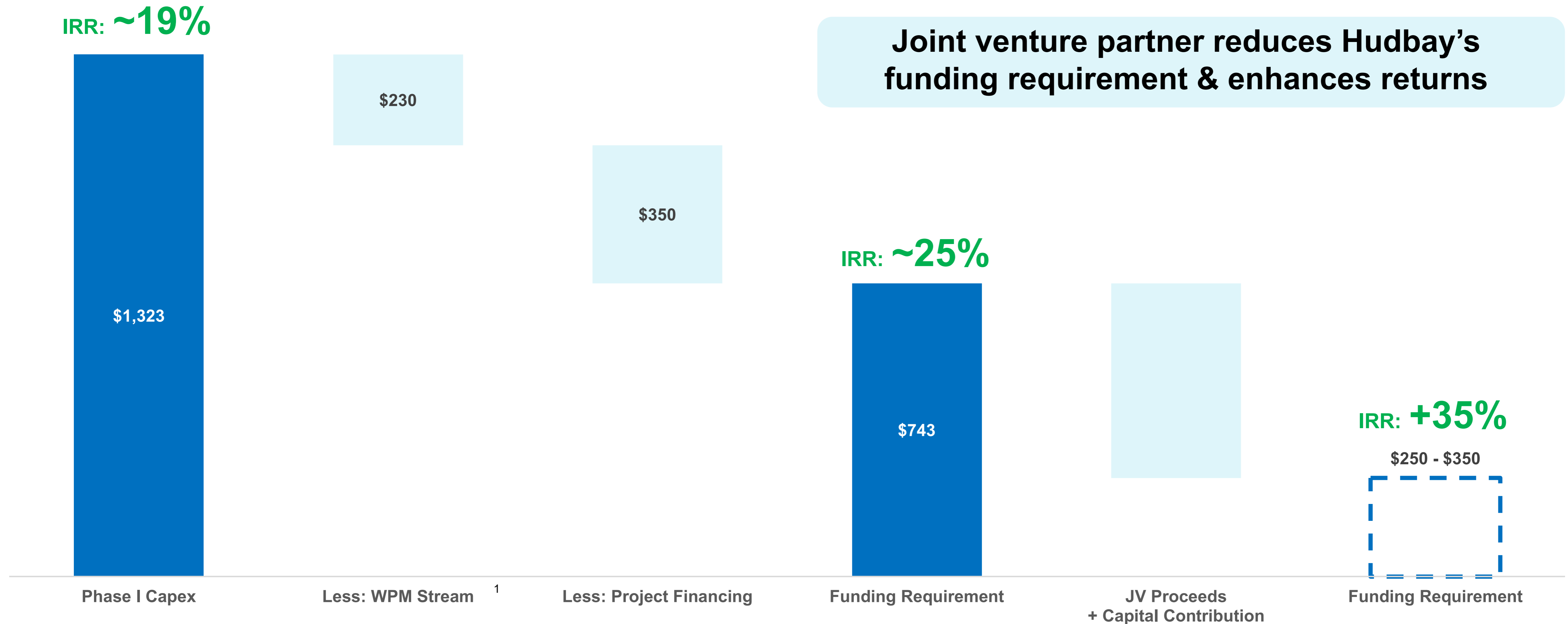
Prudent approach to greenfield project development

- Two outstanding state permits expected by mid-2024
- Plan to complete a minority joint venture partner process after receipt of permits
- Opportunity to sanction in 2025 based on current timelines



COPPER WORLD FUNDING REQUIREMENT

FUNDING REQUIREMENT (\$M) AND CORRESPONDING ILLUSTRATIVE IRR (%)



Joint venture partner reduces Hudbay's funding requirement & enhances returns

Source: Company public filings, analyst research
 Note: IRR based on Copper World PFS at technical report prices (US\$3.75/lb Cu)
 1. Project Financing assumes illustrative 8.0% interest rate and 100% cash sweep until balance is repaid.

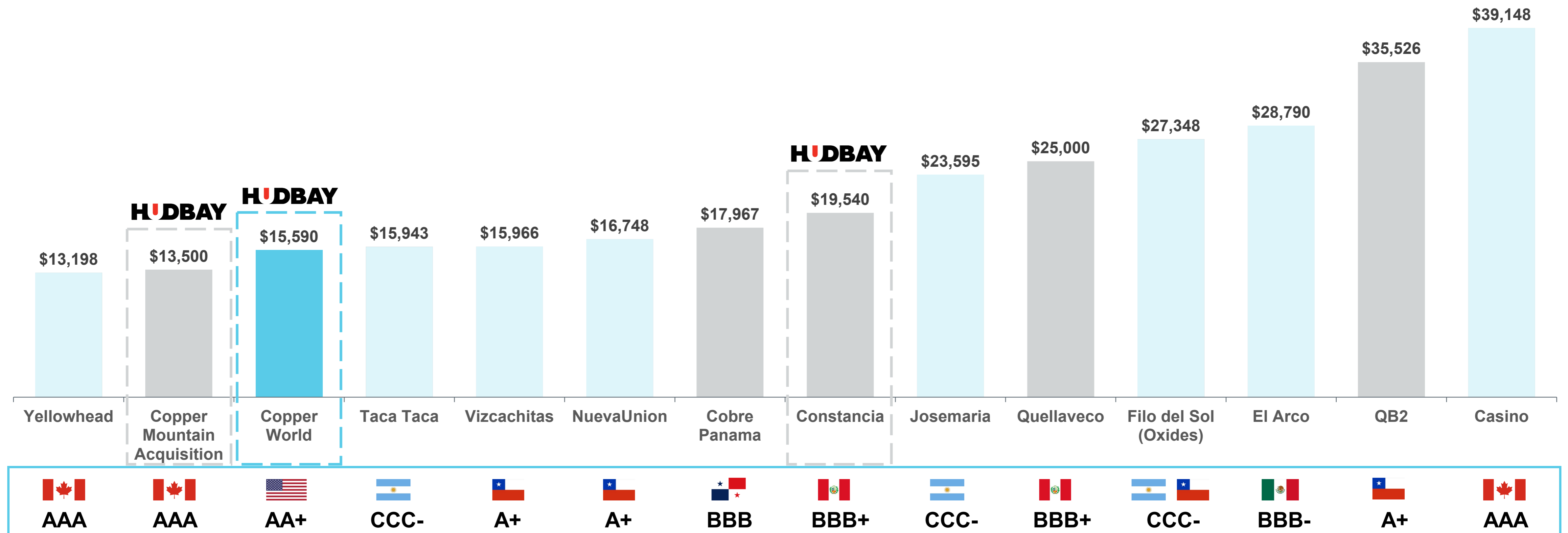
ATTRACTIVE CAPITAL INTENSITY

CAPITAL INTENSITY (\$/tonne Cu)^{1,2}

High Capital Efficiency

Project Recent Mine Build

Low Capital Efficiency



Copper World has attractive capital intensity compared to open pit projects and recent mine builds in the Americas

ROBUST COPPER MARKET OUTLOOK

GROWING DEMAND FOR “GREEN” COPPER



Global De-carbonization and Transition to Renewable Energy

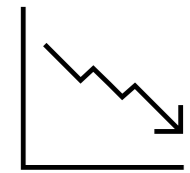


Electrification of Vehicles



Industrialization and Urban Development

GLOBAL COPPER MINES AND PROJECTS UNABLE TO MEET LONG-TERM DEMAND



Declining Copper Grades



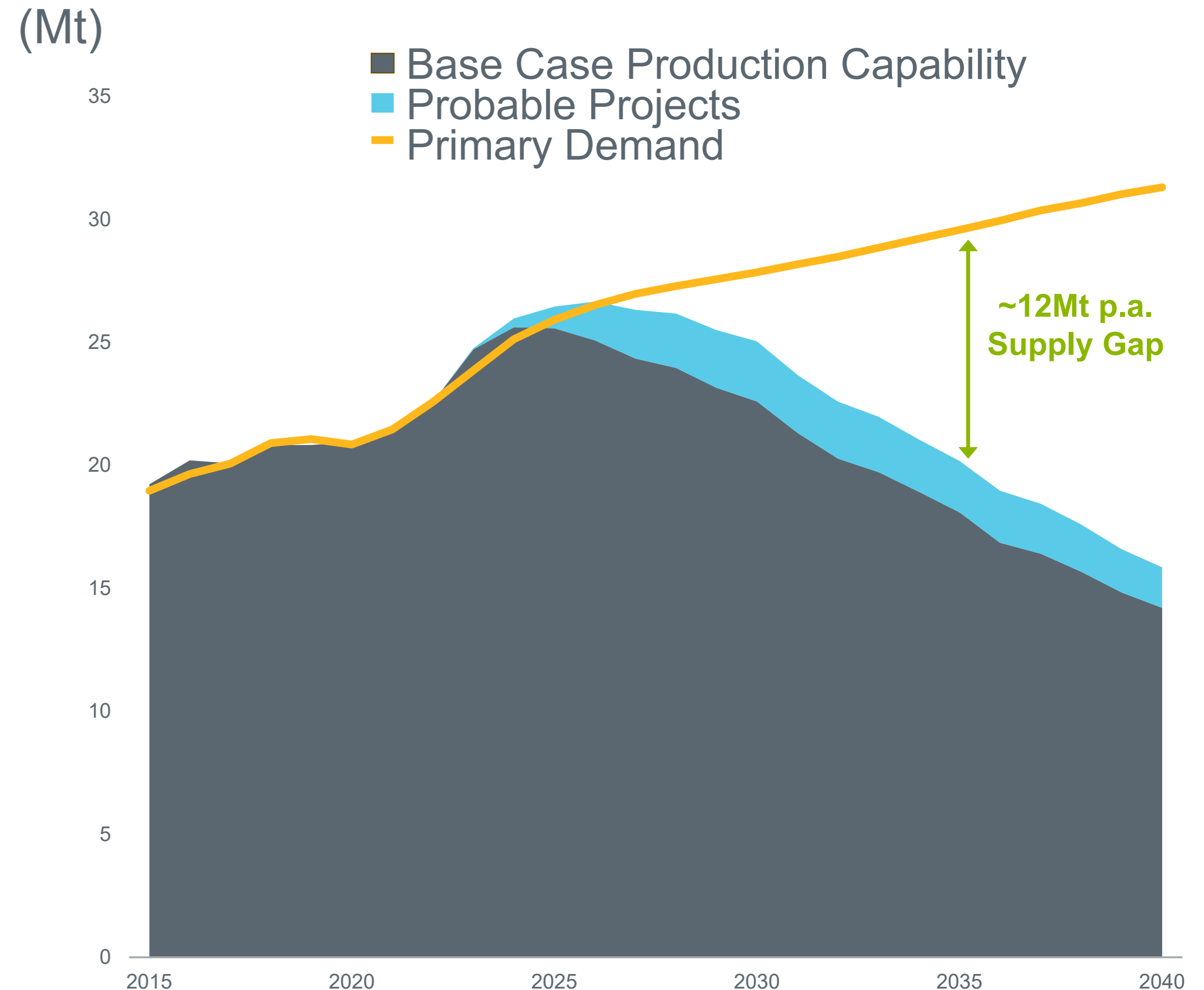
Scarcity of Copper Projects of Scale



Protracted Timelines to Development



Capital Inflation & Project Deferrals



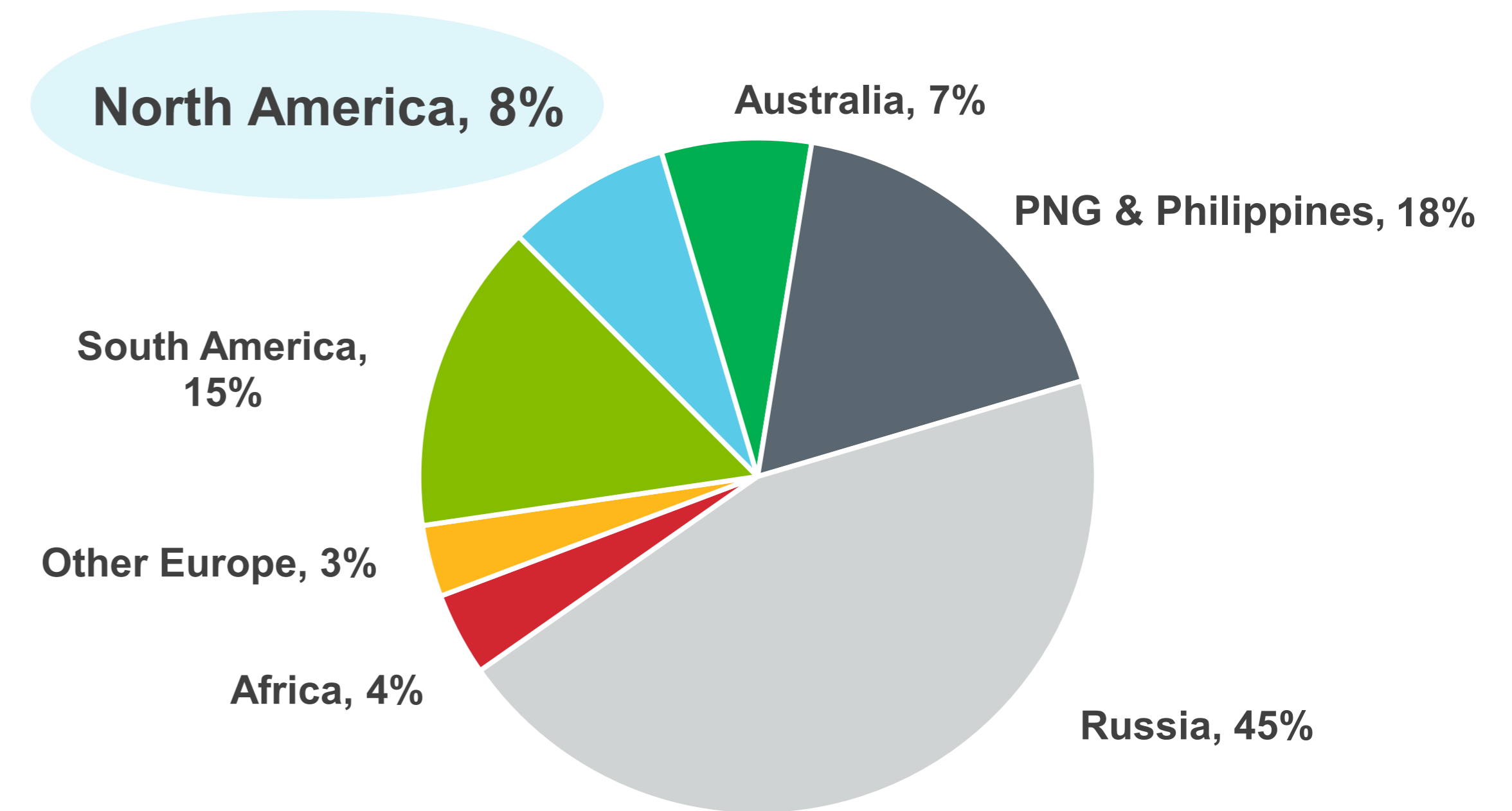
1. Source: Wood Mackenzie, Global Copper Investment Horizon Outlook (Q3 2022 dataset).

SCARCITY OF NEW COPPER PROJECTS GLOBALLY

Rank	Project	Country	Avg. Annual Production (Cu)
1	Baimskaya	Russia	250 kt
2	Wafi-Golpu	Papua New Guinea	177 kt
3	Malmyzh	Russia	150 kt
4	Ak Sug	Russia	126 kt
5	Copper World	USA	85 kt

WoodMac probable projects – new supply by region

Production start date 2024 – 2028

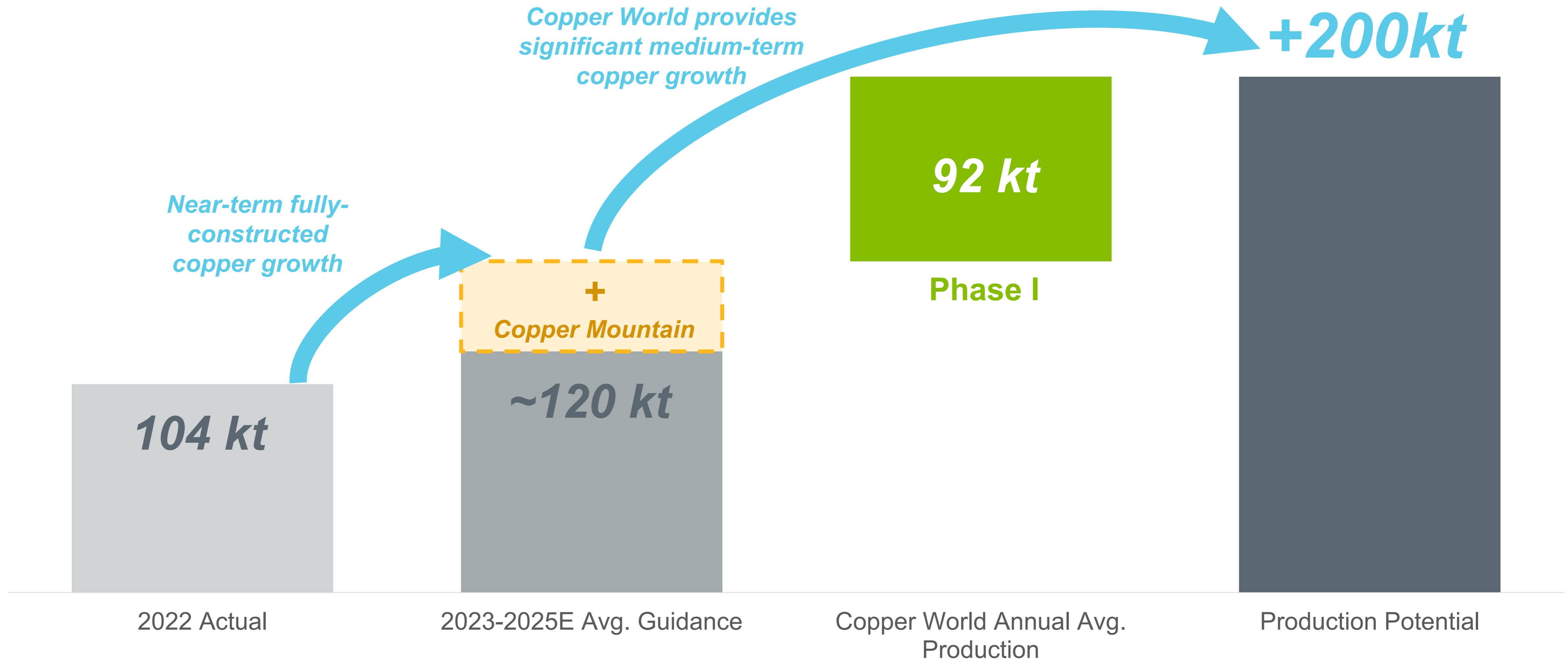


Copper World is one of the few projects with significant copper production located in a stable jurisdiction



SIGNIFICANT COPPER PRODUCTION OPTIONALITY

COPPER WORLD PROVIDES THE NEXT LEG OF COPPER PRODUCTION GROWTH AT HUBBAY



COPPER WORLD PFS HIGHLIGHTS



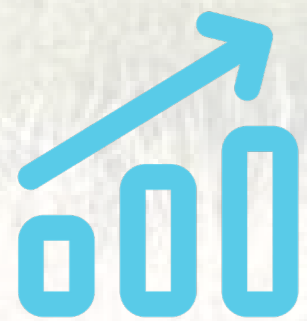
Phase I provides **attractive economics** producing **92kt Cu p.a. over the first ten years at \$1.53/lb cash costs** and **1.6M tonnes total copper produced** over a 20-year mine life requiring state and local permits only



De-risked and simplified project flow sheet lowers upfront capital costs and provides opportunity to further optimize with concentrate leach facility and potential government incentives



Designed to produce **“Made in America” copper** cathode starting in year 5 and expected to be the 3rd largest U.S. domestic copper cathode producer to feed growing U.S. copper demand and reduce project GHG emissions



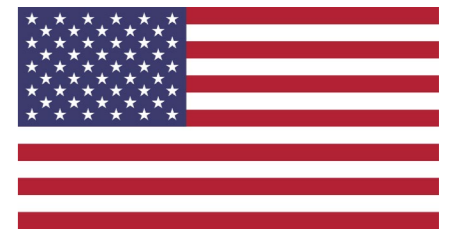
Phase II expansion provides **significant upside potential** with enhanced project economics and extension of mine life well beyond 20 years



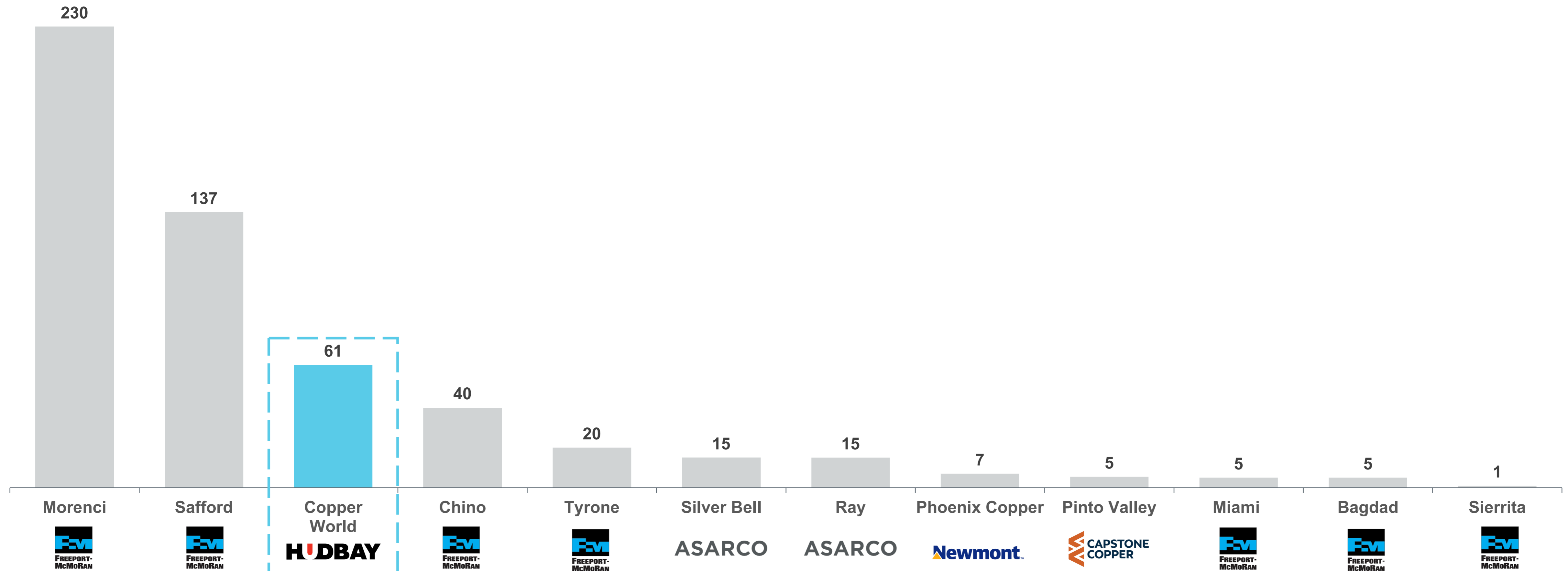
APPENDIX

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UNITED STATES CATHODE PRODUCTION



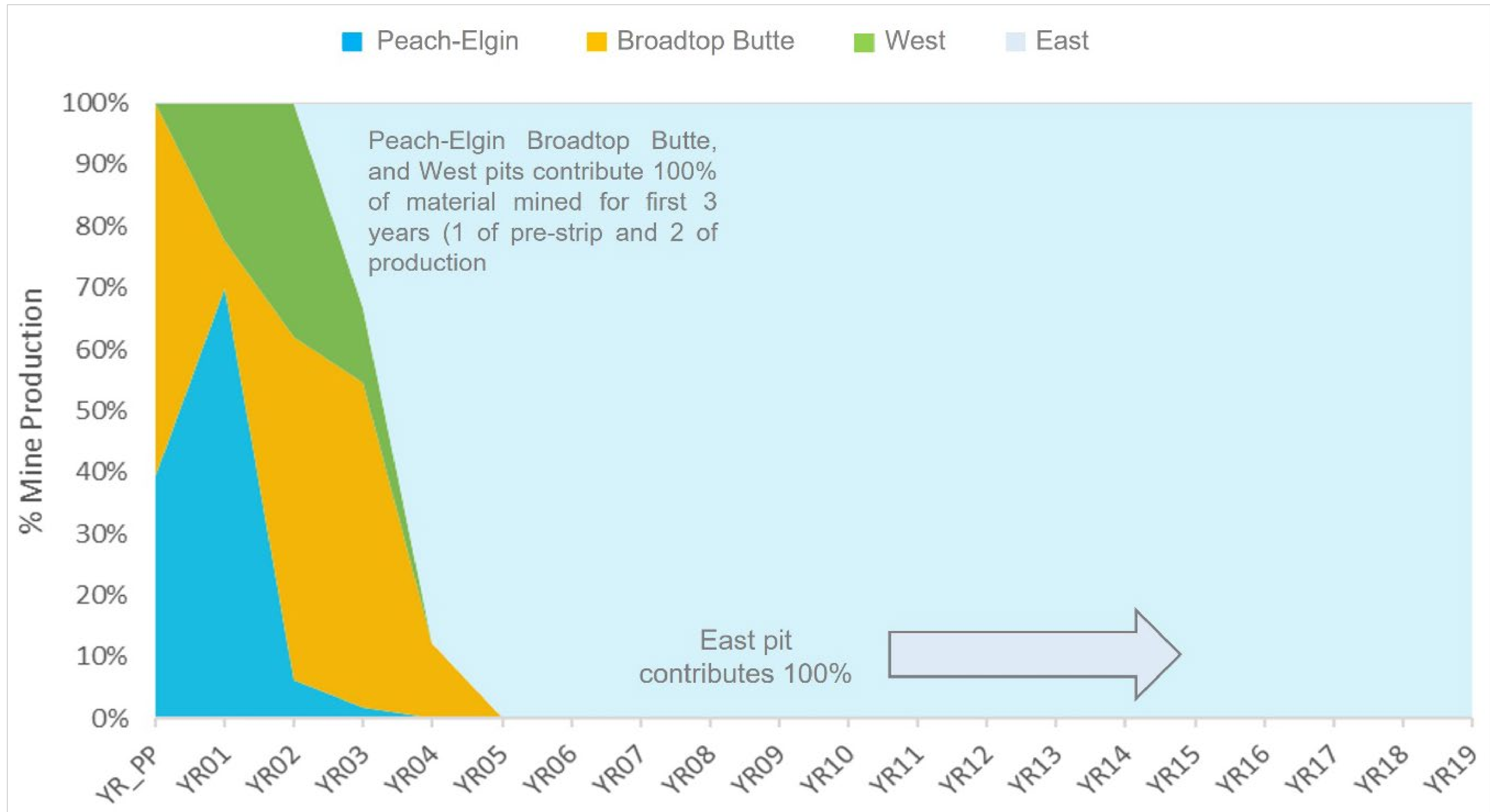
2023E COPPER CATHODE PRODUCTION (KT CU)¹



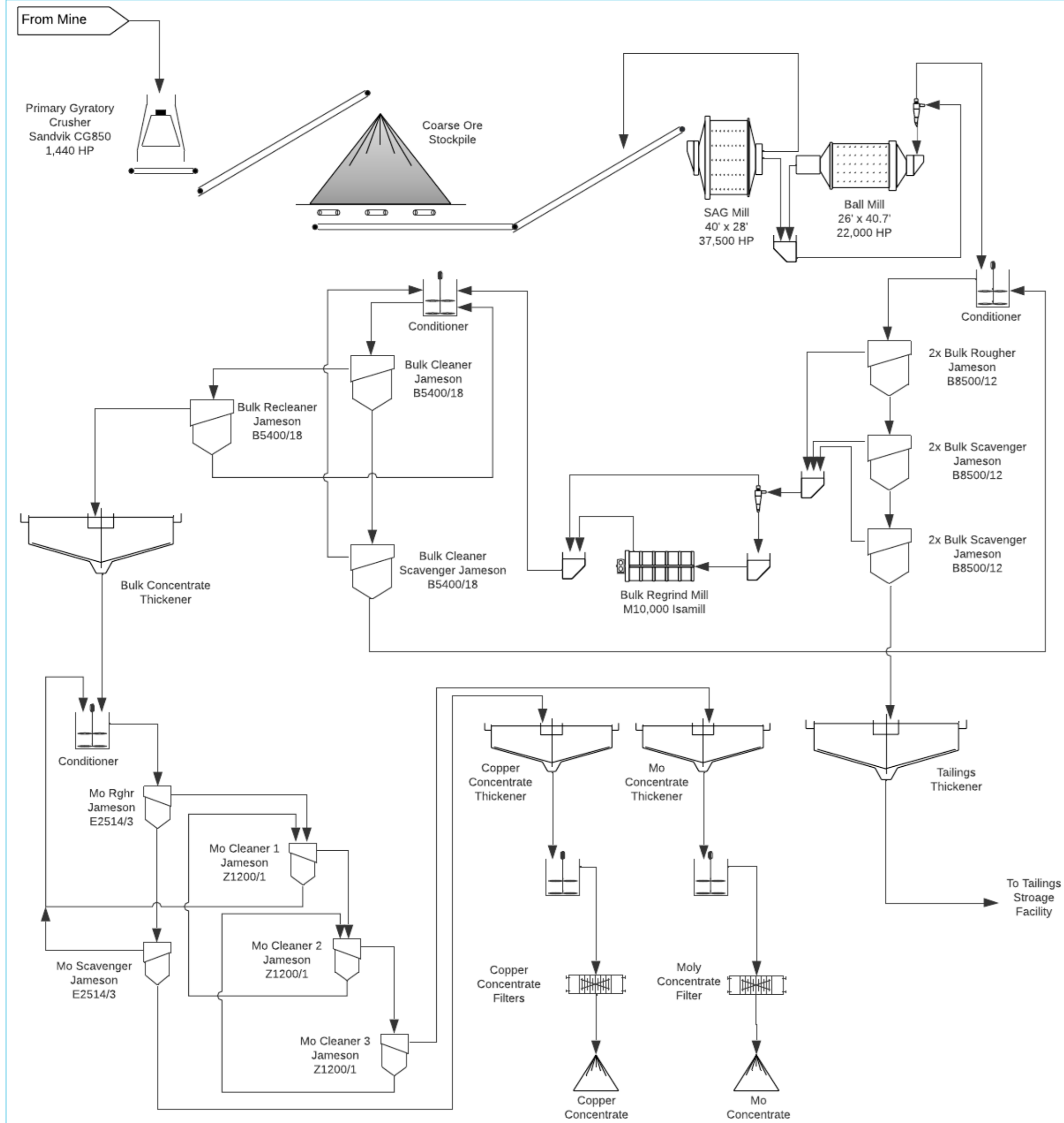
Copper World is poised to make significant contribution to copper cathode production in the United States

¹Copper World cathode production is the projected annual average after the concentrate leach facility has been constructed and is in operation starting in year 5. Peer mines show current 2023E production levels.
Source: Company public filings, Wood Mackenzie Q2/23 Dataset

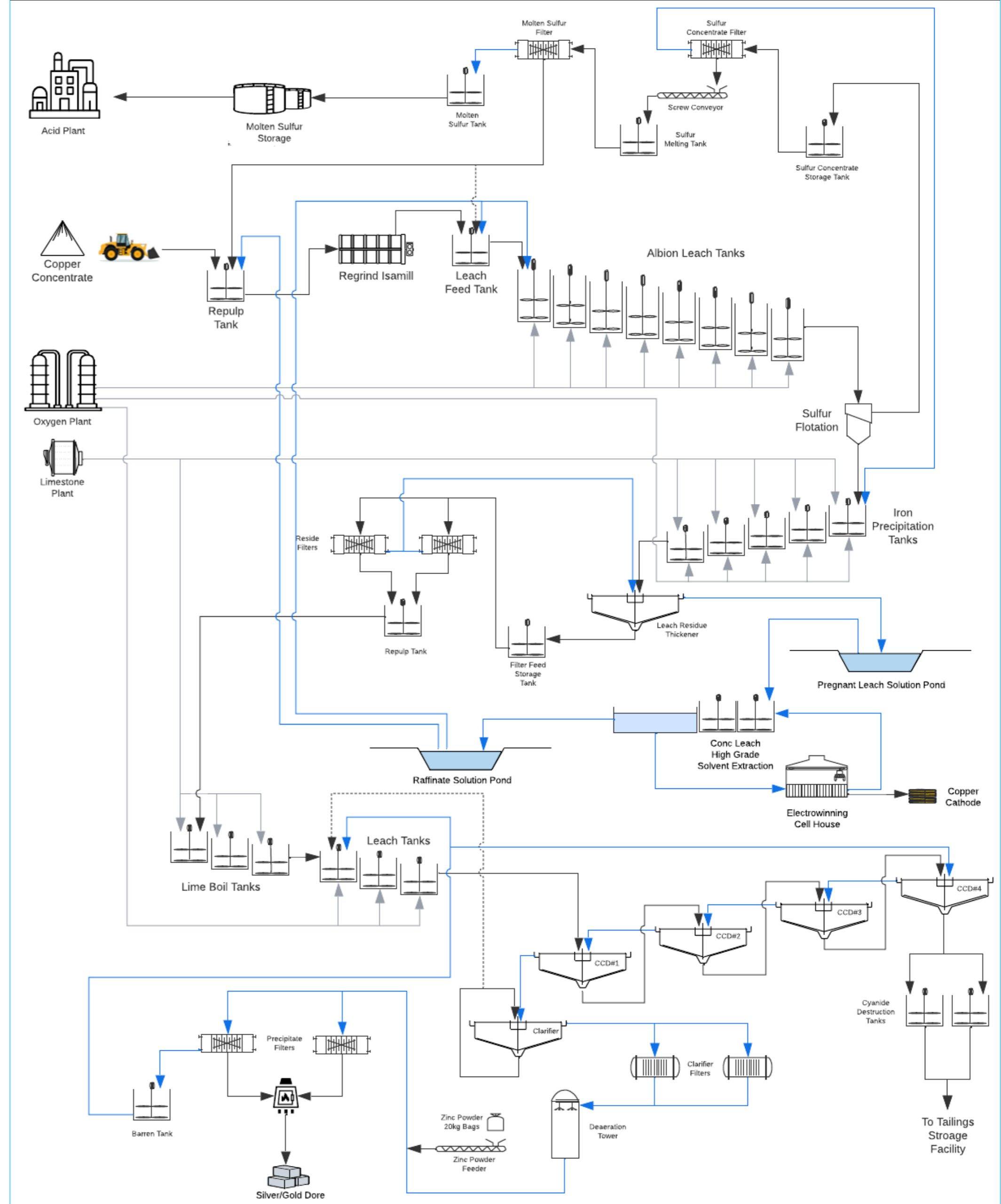
ORE MINED BY DEPOSIT



SULFIDE CONCENTRATOR FLOW SHEET



CONCENTRATE LEACH FACILITY FLOWSHEET



ROBUST PROJECT ECONOMICS

- Phase I - 20 year mine life
 - Cu production avg. 85 kt p.a.
 - Cash costs of \$1.47/lb and sustaining cash cost of \$1.81/lb
 - Avg. annual EBITDA of \$372M
- Higher grade in years 1-10
 - Cu production increases to 92kt p.a. for first 10 years
 - Cash costs of \$1.53/lb and sustaining cash cost of \$1.95/lb
- NPV (8%) of \$1.1B with an IRR of 19.2%

KEY RESULTS SUMMARY

(at \$3.75/lb Cu)

Valuation Metrics (Unlevered) ¹	Units	Phase 1		
Net present value @ 8% (after-tax)	\$ millions	\$1,100		
Net present value @ 10% (after-tax)	\$ millions	\$771		
Internal rate of return (after-tax)	%	19.2%		
Payback period	# years	5.9		
Project Metrics				
Growth capital – initial	\$ millions	\$1,323		
Construction length – initial plant	# years	2.5		
Growth capital – conc leach facility (year 4)	\$ millions	\$367		
Construction length – conc leach facility	# years	1.0		
Operating Metrics		Year 1-10	Year 11-20	Phase I
Copper production (annual avg.) ²	000 tonnes	92.3	77.5	85.3
EBITDA (annual avg.) ³	\$ millions	\$404	\$339	\$372
Sustaining capital (annual avg.)	\$ millions	\$33.9	\$19.4	\$27.1
Cash cost ⁴	\$/lb Cu	\$1.53	\$1.39	\$1.47
Sustaining cash cost ⁴	\$/lb Cu	\$1.95	\$1.62	\$1.81

¹ Calculated assuming the following commodity prices: copper price of \$3.75 per pound, copper cathode premium of \$0.02 per pound (net of cathode freight charges), gold stream price of \$450 per ounce, silver stream price of \$3.90 per ounce and molybdenum price of \$12.00 per pound. Reflects the terms of the existing Wheaton Precious Metals stream, including an upfront deposit of \$230 million in the first year of Phase I construction in exchange for the delivery of 100% of gold and silver produced.

² Copper production includes copper contained in concentrate sold and copper cathode produced from the concentrate leach facility. Average annual copper production excludes partial year of production in year 20.

³ EBITDA is a non-IFRS financial performance measure with no standardized definition under IFRS. For further information, please refer to the company's most recent Management's Discussion and Analysis for the three and six months ended June 30, 2023.

⁴ Cash cost and sustaining cash cost exclude the cost of purchasing external concentrate, which may vary in price and or potentially be replaced with additional internal feed. By-product credits calculated using amortization of deferred revenue for gold and silver stream sales as per the company's approach in its quarterly financial reporting. By-product credits also include the revenue from the sale of excess acid produced at a price of \$145 per tonne. Sustaining cash cost includes sustaining capital expenditures and royalties. Cash cost and sustaining cash cost are non-IFRS financial performance measures with no standardized definition under IFRS. For further details on why Hudbay believes cash costs are a useful performance indicator, please refer to the company's Management's Discussion and Analysis for the three and six months ended June 30, 2023.

CAPITAL COSTS

- Phase I Growth Capital: \$1.3 billion
 - Deferral of concentrate leach construction to year 4 decreased initial capital cost estimates
 - Concentrate leach facility capex to be fully funded from operating cash flow or benefit from future government incentives
 - Funding requirements will be \$1.1 billion, net of the existing stream agreement
- 20% contingency costs applied to direct capital costs

CAPITAL COST SUMMARY				
METRIC	UNIT	Cu Concentrator	Cu Leach	Total
Growth - EPCM	\$M	\$833	\$364	\$1,197
Growth - Owner's Costs	\$M	\$490	\$4	\$494
Growth - Subtotal	\$M	\$1,323	\$367	\$1,690
Sustaining	\$M	\$542	\$0	\$542
Deferred Stripping	\$M	\$362	\$0	\$362
Total	\$M	\$2,227	\$367	\$2,595

GROWTH CAPITAL DETAILS - EPCM				
METRIC	UNIT	Cu Concentrator	Cu Leach	Total
Sitewide	\$M	\$22	\$0	\$22
Mining	\$M	\$34	\$0	\$34
Primary Crushing	\$M	\$31	\$0	\$31
Sulfide Plant	\$M	\$270	\$0	\$270
Molybdenum plant	\$M	\$21	\$0	\$21
Reagents	\$M	\$10	\$3	\$14
Plant Services	\$M	\$12	\$0	\$12
Acid Plant	\$M	\$0	\$79	\$79
Concentrate Leach SXEW	\$M	\$0	\$28	\$28
Precious Metal	\$M	\$0	\$7	\$7
Leach Plant (Albion)	\$M	\$0	\$140	\$140
Site services and utilities	\$M	\$4	\$0	\$4
Internal infrastructure	\$M	\$52	\$0	\$52
External infrastructure	\$M	\$112	\$0	\$112
Common Construction	\$M	\$33	\$13	\$46
Other	\$M	\$98	\$37	\$134
Contingency	\$M	\$134	\$57	\$191
Total	\$M	\$833	\$364	\$1,197

GROWTH CAPITAL DETAILS - OWNER'S COSTS				
METRIC	UNIT	Cu Concentrator	Cu Leach	Total
Mining fleet and equipment	\$M	\$218	\$0	\$218
Less: equipment financing	\$M	-\$167	\$0	-\$167
Pre-stripping	\$M	\$89	\$0	\$89
Tailings storage	\$M	\$84	\$0	\$84
Earthworks and roads	\$M	\$26	\$0	\$26
G&A and other	\$M	\$149	\$4	\$153
Indirects and contingency	\$M	\$90	\$0	\$90
Total	\$M	\$490	\$4	\$494

SUSTAINING CAPITAL DETAILS		
METRIC	UNIT	Total
Mining - fleet	\$M	\$186
Less: equipment financing	\$M	-\$158
Mining - all others	\$M	\$422
Processing	\$M	\$57
Admin	\$M	\$37
Total	\$M	\$542

OPERATING COSTS

- Mining costs based on a bottom-up approach and utilizing budget quotes from different suppliers, Hudbay operations experience, and labor costs within the region
- Site visits conducted to other facilities currently utilizing the same mining fleet and tailings facilities to better understand the operations and maintenance requirements
- Mining operating costs validated against actual costs at Constancia, and with other similar projects/operations
- Processing costs derived using a first principles approach

OPERATING COST DETAILS - MINING		
METRIC	UNIT	Total
Labor	\$M	\$773
Maintenance	\$M	\$877
Fuel	\$M	\$781
Power	\$M	\$18
Blasting	\$M	\$359
Indirect	\$M	\$196
Subtotal*	\$M	\$3,003
Deferred stripping	\$M	(\$362)
Total*	\$M	\$2,641

*Excludes pre-stripping costs

OPERATING COST DETAILS - PROCESSING		
METRIC	UNIT	Total
Sulphide flotation	\$M	\$1,456
Moly flotation	\$M	\$71
Concentrate leaching	\$M	\$359
Precious metal plant	\$M	\$86
Acid Plant	\$M	\$5
Molten sulfur purchased	\$M	\$370
Tailings & Water	\$M	\$313
Labor	\$M	\$272
Other	\$M	\$14
Total	\$M	\$2,947

PRICE DECK AND MARKETING ASSUMPTIONS

PRICE DECK		
PRICE / RATE	UNIT	LONG TERM
Metals		
Copper	\$/lb	3.75
Copper Cathode Net Premium*	\$/lb	0.02
Molybdenum	\$/lb	12.00
Gold - Offtaker	\$/oz	1,650.00
Silver - Offtaker	\$/oz	22.00
Gold - Stream	\$/oz	450.00
Silver - Stream	\$/oz	3.90
Stream Contracted Escalator	% per year**	1.00
Other		
Molten Sulphur - Purchases	\$/tonne	215.00
Acid - Sales	\$/tonne	145.00
Electricity	\$/kWh	0.071
NSR Royalty	%	3.00

*Metal premium less freight costs

**Annual escalator begins in Year 3

MARKETING ASSUMPTIONS		
PRICE / RATE	UNIT	LONG TERM
Molybdenum Concentrate		
Realization % (of contained value)	%	88.00
Dore		
Refining Charge - Dore Bar	\$/oz	0.40
Refining Charge - Au	\$/oz	0.55
Payable % - Au	%	99.90
Payable % - Ag	%	99.90
Freight	\$/oz	1.40
Cu Concentrate - Sales		
Treatment Charge	\$/DMT	75.00
Refining Charge - Cu	\$/lb	0.075
Payable % - Cu	%	96.50
Payable % - Au	%	90.00
Payable % - Ag	%	90.00
Min deduction - Cu	%	1.00
Min grade - Au	g/tonne	1.00
Min grade - Ag	g/tonne	30.00
Freight	\$/WMT	173.00
Moisture	%	8.00
Cu Concentrate - Purchases		
Purchase Price	\$/tonne	2,100.97
Cu grade	%	28.00
Mo grade	%	0.23
Au grade	g/tonne	0.30
Ag grade	g/tonne	110.00
Zn grade	%	0.25
S grade	%	34.00
Freight Capture	\$/DMT	80.00

COPPER WORLD MINERAL RESERVE AND RESOURCE ESTIMATES

(AS AT JULY 1, 2023)

COPPER WORLD MINERAL RESERVE AND RESOURCE ESTIMATES^{1,2,3,4}

	Tonnes (millions)	Cu Grade (%)	Soluble Cu Grade (%)	Mo Grade (g/t)	Au Grade (g/t)	Ag Grade (g/t)
Proven reserves	319	0.54	0.11	110	0.03	5.68
Probable reserves	66	0.52	0.14	96	0.02	4.31
Total Proven and Probable Reserves	385	0.54	0.12	108	0.02	5.44
Measured resources	888	0.43	0.10	121	0.02	4.46
Indicated resources	317	0.38	0.10	108	0.02	3.52
Total Measured and Indicated	1,205	0.42	0.10	117	0.02	4.22
Inferred resources	275	0.32	0.10	106	0.01	2.82

Note: totals may not add up correctly due to rounding.

¹ Mineral resource estimates are inclusive of mineral reserves and have been calculated using assumed long-term metal prices of \$3.75 per pound copper, \$12.00 per pound molybdenum, \$1,650 per ounce gold and \$22.00 per ounce silver.

² Mineral resource estimates that are not mineral reserves do not have demonstrated economic viability. Mineral resource estimates are based on resource pit design and do not include factors for mining recovery or dilution.

³ Mineral resource estimates are constrained to a Lerch Grossman pit shell with a revenue factor of 1.0 or inside the reserve pit.

⁴ Mineral resource estimates are using a 0.1% soluble copper cut-off grade and an oxidation ratio higher than 50% for leach material.

ENDNOTES

1. Calculated assuming the following commodity prices: copper price of \$3.75/lb, copper cathode premium of \$0.02/lb (net of cathode freight charges), gold stream price of \$450/oz, silver stream price of \$3.90/oz and molybdenum price of \$12.00/lb. Reflects the terms of the existing Wheaton Precious Metals stream, including an upfront deposit of \$230 million in the first year of Phase I construction in exchange for the delivery of 100% of gold and silver produced.
2. Copper production includes copper contained in concentrate sold and copper cathode produced from the concentrate leach facility. Average annual copper production excludes partial year of production in year 20.
3. EBITDA is a non-IFRS financial performance measure with no standardized definition under IFRS. For further information, please refer to the company's most recent Management's Discussion and Analysis for the three and six months ended June 30, 2023.
4. Cash cost and sustaining cash cost exclude the cost of purchasing external concentrate, which may vary in price and or potentially be replaced with additional internal feed. By-product credits calculated using amortization of deferred revenue for gold and silver stream sales as per the company's approach in its quarterly financial reporting. By-product credits also include the revenue from the sale of excess acid produced at a price of \$145 per tonne. Sustaining cash cost includes sustaining capital expenditures and royalties. Cash cost and sustaining cash cost are non-IFRS financial performance measures with no standardized definition under IFRS. For further details on why Hudbay believes cash costs are a useful performance indicator, please refer to the company's Management's Discussion and Analysis for the three and six months ended June 30, 2023.



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