

Invest in Sustainability

Developing an Arizona Copper Mine to Supply the Energy Transition



September 2023

Cautionary Information

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This presentation ("Presentation") is being furnished on a confidential basis in order to provide readers certain information with respect to the business and operations of Arizona Sonoran Copper Company Inc. (the "Company" or "ASCU").

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", "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. 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 the ASCU Final prospectus dated November 9, 2021 and filed on SEDAR, and recent financial disclosures. 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. ASCU 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. This presentation contains certain financial measures which are not recognized under IFRS, such as cash cost, sustaining and all-in sustaining cash cost per pound of copper. For a detailed description of each of the non-IFRS financial performance measures used in this presentation, please refer to ASCU's management's discussion and analysis for the nine months ended September 30, 2021 available on SEDAR at www.sedar.com. All amounts in this presentation are in U.S. dollars unless otherwise noted.

Technical Information

The scientific and technical information in this Presentation, other than in respect of metallurgy, was prepared under the supervision of Mr. Allan Schappert, Stantec. The scientific and technical information in this Presentation in respect of metallurgy was prepared under the supervision of Dr. Martin Kuhn, MAG. Each of Mr. Allan Schappert and Dr. Martin Kuhn is a Qualified Person as defined by National Instrument 43-101– Standards of Disclosure for Mineral Projects.

The potential quantity and grade presented in the Exploration Target ranges are conceptual and have insufficient exploration and drill density to define a Mineral Resource. At this stage, it is uncertain if further exploration will result in the targets being delineated as a Mineral Resource. Estimates of exploration targets are not Mineral Resources and are too speculative to meet the NI 43-101 reporting standards.

ASCU has conducted extensive exploration work to delineate the exploration target contained in this presentation. This work includes analysis and interpretations from four historical and the two recently drilled core holes into the project, similarities of mineralization intercepted to that of the adjacent Cactus project (for mineralization and alteration characteristics, and grade architecture), and review of geophysical and surface ionic leach programs to support realistic target ranges for extent, thickness, and grade. The Exploration Target ranges assume an underground target for exploration purposes.

Peers

The comparable information about other issuers was obtained from public sources and has not been verified by the Company. Comparable means information that compares an issuer to other issuers. The information is a summary of certain relevant operational and valuation attributes of certain mining and resource companies and has been included to provide the prospective investor an overview of the performance of what are expected to be comparable issuers. The comparables are considered to be an appropriate basis for comparison with the Company based on their industry, size, operating scale, commodity mix, jurisdiction, capital structure and additional criteria. The comparable issuers face different risks from those applicable to the Company. Investors are cautioned that there are risks inherent in making an investment decision based on the comparables, that past performance is not indicative of future performance and that the performance of the Company may be materially different from the comparable issuers. If the comparables contain a misrepresentation, investors do not have a remedy under securities legislation in any province in Canada. Accordingly, investors are cautioned not to put undue reliance on the comparables in making an investment decision.

Developing the Next Copper Mine on Private Land in Arizona

To reach the Net Zero emissions goal, 9.7Mt of new copper supply to be added over the next decade. Meaning US\$23B investment per year will be needed over 30 years to deliver new copper projects to reach zero-carbon targets. – Wood Mackenzie, 2023

High Quality Project

Low-geopolitical risk

Brownfields porphyry copper project, SX/EW

Water and surface rights

Top tier jurisdiction

Growth-focused

Base-case economics on Cactus and Parks/Salyer Exploration upside Primary sulphide optionality

Experienced Management

A proven track record of delivering successful mining projects The team takes an environmental and socially conscious approach to project development

Capital Structure & Ownership



CAPITAL STRUCTURE

Market Capitalization	C\$175M
Shares Outstanding (M)	109.0
Warrants (M)	2.5
Options (M)	5.6
RSU's (M) ⁽¹⁾	0.2
DSU's (M)	0.5
Fully Diluted Share Capital (M)	117.9
Cash as at Aug 14, 2023	US\$18M
Debt	Debt Free

Notes: (1) RSUs may be issued in shares or cash

ANALYST COVERAGE







EXPLORATION





iAA



JAMES®

RAYMOND



32%

OWNERSHIP

25%

5%

7%



STIFEL GMP

31%

■ Tembo
Insitutional
■Managemen
Retail

Rio Tinto

Including: **Beedie Capital** Delbrook Konwave Macquarie Ixios **US** Global **Russell Investment Mgmt Palos Management** Empire Life Sentry **TBF Global AM** Sprott COPJ ETF

Management Team with Track Record of Execution



George Ogilvie, P.Eng. PRESIDENT, CEO & DIRECTOR

+30 years of management, operating and technical experience in the mining industry. Previously President & CEO of Battle North (sold to Evolution Mining), CEO of Kirkland Lake, and CEO of Rambler Metals



Bernie Loyer SVP Projects

+35 years building and delivering large scale mining projects. Prior positions at SolGold (Cascabel), Goldcorp (Penasquito and Cerro Negro), Torex Gold (Morelos and Media Luna), BHP (Escondida) and at FLSmidth Minerals.



Nick Nikolakakis, BASc, MBA VP FINANCE AND CFO

+27 years of North American executive mining finance experience. Former VP Finance and CFO of Battle North, Rainy River and Placer Dome, VP Corporate Finance at Barrick and other positions at North American Palladium and BMO Nesbitt Burns.



Rita Adiani, LLB Hons SVP STRATEGY & CORPORATE DEVELOPMENT

+16 years of mining experience across strategy & business development, investment banking and corporate law. Previously EVP and Head of Business Development at Xiana Mining, MD at NRG Capital Partners, VP at Societe Generale and Senior Corporate Finance Manager at La Mancha



Doug Bowden, MSc. VICE PRESIDENT, EXPLORATION

+40 years mining experience throughout North America and Mexico. Responsible for managing exploration programs for Amselco, BP Minerals, Kennecott and Western Uranium. **Senior executive positions held at Gold Summit Corporation, Western Uranium and Concordia**



Travis Snider, B.Sc, Env Chem, SME VICE PRESIDENT, SUSTAINABILITY & EXTERNAL RELATIONS

+20 years experience in the mining industry in Arizona. Previously Mining Project Manager at Engineering & Environmental Consultants, SVP of Operations for Sierra Resource Group and VP of Mining & Oil operations for Wilcox



Alison Dwoskin, CPIR DIRECTOR, INVESTOR RELATIONS

+15 years in investor relations. Formerly Manager, Investor Relations of Klondex Mines and Eastmain Resources. Began her career at a Toronto-based IR firm, broadly specializing in mining

STRONG SPONSOR SUPPORT



- Global leading diversified metals and mining company with operations in 35 countries.
- Innovating technologies to advance the mining industry
- Shareholder since 2022

TEMBO CAPITAL

- Private equity fund investing in junior and mid-tier mining companies, with low cost, quality assets managed by high caliber teams
- Shareholder since 2020



Experienced Board of Directors





David Laing, B.Sc. Eng CHAIR OF THE BOARD OF DIRECTORS

+40 years experience in the mining industry with roles across operations, project development, mining finance & M&A. **Previously EVP and Senior VP of Operations for Endeavour Mining, COO of Equinox Gold, True Gold and Quitana Resources. Currently Chair of Fortuna Silver and Director of Northern Dynasty Mineral, Blackrock Silver Corp and Amarillo Gold Corp**



George Ogilvie, P.Eng. PRESIDENT, CEO & DIRECTOR

+30 years of management, operating and technical experience in the mining industry. Previously **President & CEO of Battle North (sold to Evolution Mining), CEO of Kirkland Lake, and CEO of Rambler Metals.** Began his career with AngloGold in South Africa, also held roles at Hudbay and served as Area Manager for Dynatek



Isabella Bertani, FCPA, FCA DIRECTOR

FCPA, FCA, +20 years accounting, auditing and advising the public and private sectors for manufacturing, food processing, technology, biotech, mining equipment and engineering consulting. Founder and Chief Strategist at **BERTANI**, senior positions **at Deloitte LLP** and a mid market firm. Former director of the **McMichael Canadian Art Foundation** and **Toronto Parks and Trees Foundation**. Leadership roles with **CPA Canada, International Economic Development Council, Vaughan Chamber of Commerce** and others.



Alan Edwards, B.Sc. Eng, MBA DIRECTOR

+35 years of operational and executive experience in the mining sector. Previously CEO of Oracle Mining, President & CEO of Copper One and Frontera Copper, COO of Apex Corporation. Currently also director of Americas Gold and Silver, Entrée Resources & Orvana Minerals



Mark Palmer, B.Sc DIRECTOR

+30 years in the mining industry with roles in finance and industry. Currently Partner at **Tembo. Previously at Rothschild and** responsible for EMEA Mining Investment Banking at UBS. Also served as Vice Chair of Canaccord Genuity. Currently also serves on the board of Orion Minerals



Sarah Strunk

+37 years in the mining law, with commercial, legal and transactional experience. Currently Chair at Fennemore Craig and Director of Teck. Previously at Cyprus Amax Minerals Corporation. Also served on the Board of Arizona Mining Association, as Trustee of the Foundation for Natural Resource and Energy Law, and as Chair of Brio Gold

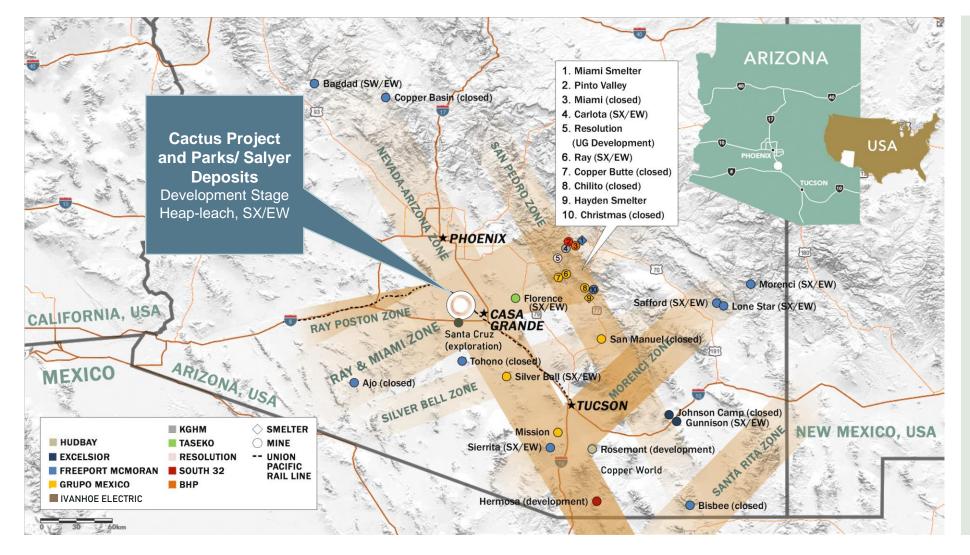


Location Advantage

5,370 acres on a brownfield's property +\$30M in place infrastructure

Low Geopolitical Risk and Community Support

Centrally located for Accessible Infrastructure and Skilled Labour-force



≥USGS

Arizona is the **USA's leading copperproducing state which accounted for 70%** of domestic output of copper in 2022⁽¹⁾ 8



Arizona ranked No. 7 for the year 2022 in Fraser Institute's Investment Attractiveness Index⁽²⁾

Notes: (1) USGS Copper Data Sheet- Mineral Commodity Summaries 2023 (2) Fraser Institute Annual Survey of Mining Companies 2021, available at www.fraserinstitute.org

Brownfield Site – Water rights and Surface Rights



- Water wells and water pond permitted
- Permitted water access to the year 2070
- Cactus PEA)
- Vent raise, shaft and underground workings (has not been upgraded)



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COMPLETED PERMITS

Permit	Permit Office
Air Quality Dust Permit	Pinal County
Arizona Pollution Discharge Elimination System (402) (SWPPP)	ADEQ
Water Rights Use up to 3,800 acre-ft / yr	ADWR
Aquifer Protection Permit For Stockpile Project	ADEQ
General Plan Amendment Including development agreement and city zoning change from residential to industrial	Casa Grande
Aquifer Protection Permit Major amendment	ADEQ
Mined Lands Reclamation Permit (MLRP)	Arizona State Mine Inspector
Industrial Air Permit	Pinal County

OUTSTANDING PERMITS – STREAMLINED PROCESS

Permit	Permit Office	Status		
Reclamation Bond	AZ State Mine Inspector			
Radio Station License, Wireless Communication	FCC	Application post-PFS		
Notice of Intent to Clear Land	AZ Department of Agriculture			
Mining Construction Permits	Pinal County	Required pursuant to a		
Above-Ground Tank Storage	ADEQ	construction decision		
State Notice of Startup/Miner Registration Number	AZ State Mine Inspector/MSHA			

Major permits are now in place, based on the Cactus PEA. Amendments may be required for certain permits based on the upcoming PFS

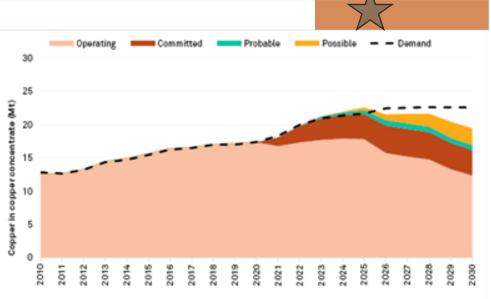


ASCU PFS Base Case

Targeting First Cathodes in 2026 - Quick Path to Development

	1Q23	2Q23	3Q23	4Q23	1Q24	2Q24	3Q24	4Q24	2025	2026	2027
Drilling											
Metallurgy											
Detailed Engineering											
Pre-Feasibility					X						
Permitting								٨			
Feasibility Study								X			
Project Financing											
Construction										٨	
First Cathodes Produced										X	
PFS Work FS Work	Pending posi	tive construction	decision			30	Operating	Committed	Probable	Possible - De	mand
						25					
Timing is everything. In 2026:					20 (14) 20						

- ASCU anticipates first cathodes (based on positive construction decision)
- Long-term copper price is predicted to exceed \$4.00 / lb
- Copper supply is set to fall into deficit



Large Scale Porphyry Copper Mineral Resource Estimate

Close Proximity of Deposits



Porphyry copper deposits Private land, brownfields mine site Water rights (up to 3,800 ac ft./yr) and onsite wells Exploration potential along mine trend

PFS Expected Q1 2024, programs include:

- Infill to indicated drilling program complete
- Metallurgy ongoing
- Permitting next applications will be based on the PFS

FS infill to measured drilling has begun

Total Leachable Resource Parks/Salyer Underground (CE) Stockpile Open Pit (CW) 0.954% 0.696% 146,200 Klbs 919,700 Klbs Updating for PFS Indicated 1.1 B lbs Updating for PFS (expecting high conversion) 66.2 Mtons 7.7 Mtons Cu TSol Cu TSol 0.334% 1.066% 0.881% 0.144% 315,700 Klbs 672,100 Klbs 2,460,900 Klbs 223,500 klbs Inferred 3.6 B lbs 115.4 Mtons 17.9 Mtons 77.4 Mtons 99.7 Mtons Cu TSol Cu TSol Cu TSol Cu TSol

Sources/Notes: Integrated Cactus PEA, Tables 14-16 and 14-17

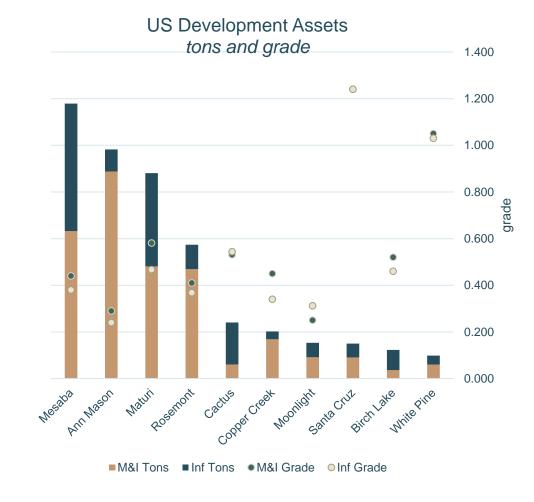
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OXIDE AND ENRICHED MINERAL RESOURCE

Few Quality Development Assets in the USA

- ASCU shows well among independent developers and assets owned by major miners
 - MRE grade of 0.53% TCu (M&I) exceeds most current Cu deposits in the US
 - Cactus West OP layback
 - Cactus East and Parks/Salyer UG deposits mineralization begins at a depth of approximately 300 m (1,000 ft)

Project	Company	M&I tons	Inf tons
Mesaba	Teck Resources Limited	1,580,600,000	1,366,300,000
Ann Mason	Hudbay Minerals Inc.	2,219,000,000	237,000,000
Maturi	Antofagasta plc	1,202,800,000	998,900,000
Rosemont	Hudbay Minerals Inc.	1,173,000,000	262,000,000
Cactus	Arizona Sonoran Copper Company	151,800,000	449,900,000
Copper Creek	Faraday Copper Corp.	421,900,000	83,600,000
Moonlight	US Copper Corp.	228,610,554	155,400,746
Santa Cruz	Ivanhoe Electric Inc.	226,715,000	148,998,000
Birch Lake	Antofagasta plc	90,400,000	217,000,000
White Pine	Highland Copper Company	150,700,000	96,400,000



Source: S&P, Removal of Pebble, Resolution and Upper Kobuk Mineral Projects

tonnage

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Emerging Copper Developer in the USA via Heap Leach & SXEW

PEA Base Case + Parks/Salyer Oxide and Enriched Material

2021 PEA BASE CASE PROJECT METRICS⁽¹⁾⁽²⁾ Cactus Mine's Oxide and Enriched Material

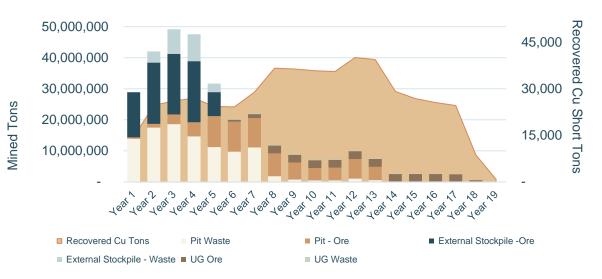
	Over the Life of Mine
Mine Life	1.27 B lbs of Cu over 18 years
Average Production	28 ktpa (56Mlbs); Peaks at 40 ktpa (80Mlbs) <i>(see production schedule, right)</i>
Operating Costs Avg OPEX over LOM (US\$/t milled) Avg C1 Cost over LOM (US\$/lb) Avg AISC over LOM (US\$/lb) 	 US\$9.06/t US\$1.55/lb US\$1.88/lb (incl. 3.18% royalty on Cactus)
Сарех	 Initial Construction Capex: US\$124M Sustaining Capex over LOM: US\$340M
Free Cash Flow (Post tax Undiscounted)(US\$3.35/Ib Cu)	• US\$960M
NPV8 Post-Tax	• \$312 M
IRR Post-Tax	• 33%

Low capital intensity project: \$2.20/lb

US\$CAPEX/LOM average Cu production - per the Cactus PEA

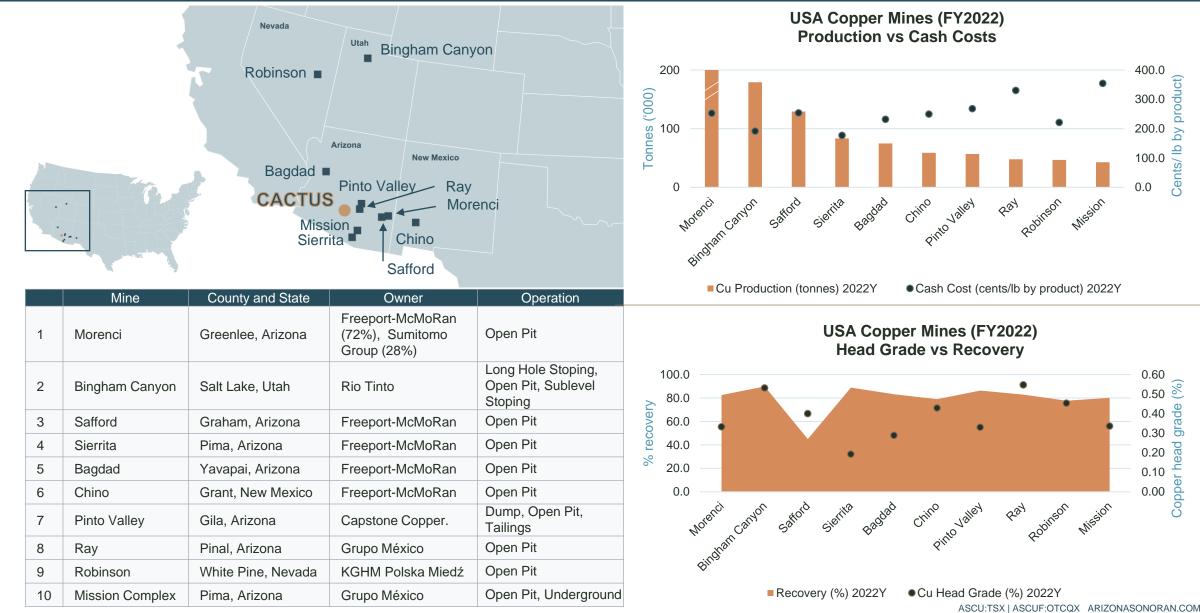
Step-up PFS layers in Parks/Salyer over the Cactus PEA: Targeting 45-50 ktpa over approximately 30 years

CACTUS PEA PRODUCTION SCHEDULE⁽¹⁾⁽²⁾



Sources/Notes: t or tons = Short Tons. (1) Integrated Cactus PEA, Table 1-6, 1-7 (2)) The Integrated Cactus PEA is preliminary in nature, it includes inferred mineral resources that are considered too speculative geologically to have economic considerations applied to the them that would enable them to be categorised as mineral reserves and there is no certainty that the preliminary economic assessment will be realized. Mineralized Material Sources: Stockpile, Cactus East, Cactus West, Parks/Salyer

Top 10 USA Copper Mines



Source: S&P Copper Production in 2022, ranked by tonnes produced. Morenci produced 401kt in 2022.

0

Cents/

de

ead

Coppe

Onsite Metallurgical Program in TruStone Facility





Parks/Salyer80% enrichedCactus East76% enriched | 90% oxideCactus West78% enriched | 88% oxideStockpile92% oxide*see PR dated May 2, 2023 for details and disclosures



Beyond the Base Case

Primary Sulphide Optionality – Preliminary Results Successful

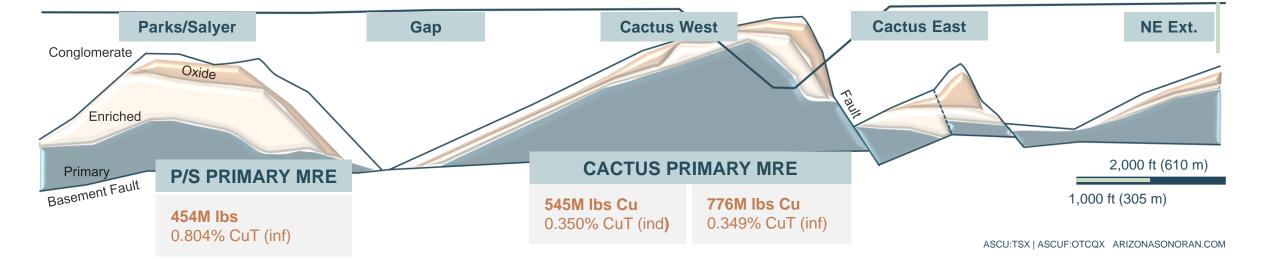
Partnership with Rio Tinto's Nuton[™] technologies, testing the leachability of the primary sulphides

- Initial computer modelling: 72% Cu extraction
- Columns after 75-150 days: 61%-81% preliminary extraction rates
- Phase 2 under negotiation to advance testing parameters
 - May include commercial terms
 - Additional rigorous column tests
 - Infill and expansion drilling around Cactus West

Primary sulphides comprise 25% of the total resource

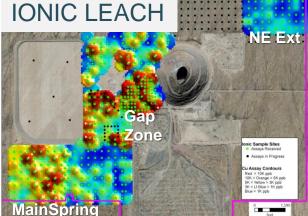
ABOUT NUTON™

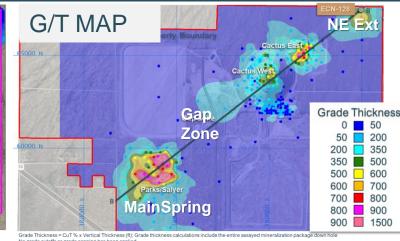
- Nuton[™] is a proprietary suite of copper leach technologies
- Potential to unlock low-grade copper sulphide resources, copper bearing waste and tailings, and achieve higher copper recoveries on oxide and transitional material
- · Exothermic, bioleach heap leach flowsheet
- Potential to deliver leading environmental performance
- Testing material from: Los Azules, Argentina (McEwen Copper), Tantahuatay-AntaKori, Peru (Regulus Resources), Gunnison, Arizona (Excelsior)



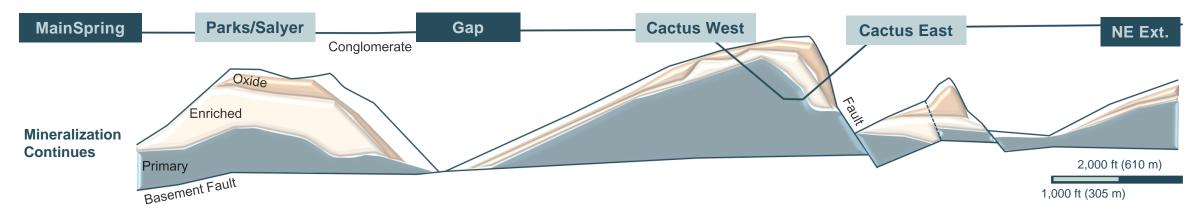
Scalability via Exploration – Gap Zone and NE Extension

- Layering geophysics and drilling results show compelling drill targets along the 4 km porphyry copper mine trend:
- Gap Zone:
 - Priority target, outlined by ionic leach and magnetics
 - Historic condemnation drilling exists
- <u>NE Extension</u>:
 - ECN-128 confirmed mineralization, similar to P/S and CE, 1 km NE of CE
 - Historic drilling intercepted 3% Cu
- MainSpring:
 - Southern extension of the Parks/Salyer deposit





ECN-128 CONTINUOUS MINERALIZATION: 997.4 ft @ 0.46% CuT, 0.20% Cu Tsol, 0.007% Mo 118.1 ft @ 0.97% CuT, 0.94% Cu Tsol (oxide) 151.4 ft @ 0.46% CuT, 0.38% Cu TSol (enriched) 653.4 ft @ 0.40% CuT, 0.008% Mo (primary)





Peer Benchmarking

Path to Value Creation



Pre-Feasibility

Arizona Sonoran Copper Company

PFS expected in 1Q 2024 FS expected in 2H 2024 Mostly permitted Project financing expected 2H 2024 Construction to 2H2024* First Cathodes 2026 *





Construction

Foran Mining Financing and permits in hand, in construction



\$172 M Market Cap

28,000 tpa

\$312 M NPV₈ (after-tax)

18 yr, 1.2 Blbs LOM PEA released Aug 2021

\$1,086 M Market Cap \$466 M NPV₇ (after-tax) 18 yr, 1.2 Blbs LOM 29,500 tpa

+270%

2018

Operations Begin

Operations

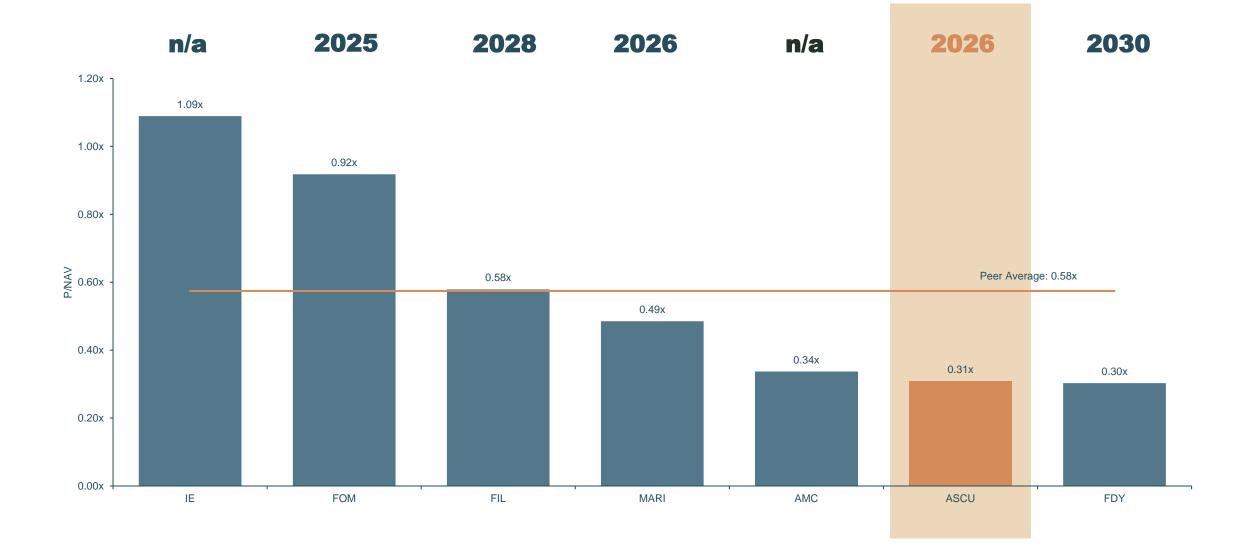
ERO Copper In operations 270% Share Price Increase \$2,608 M Market Cap \$966 M NPV* 20 yr, 556 Mlbs LOM 62,000 tpa; 40,000 oz/y *Analyst estimate, pre-resource update

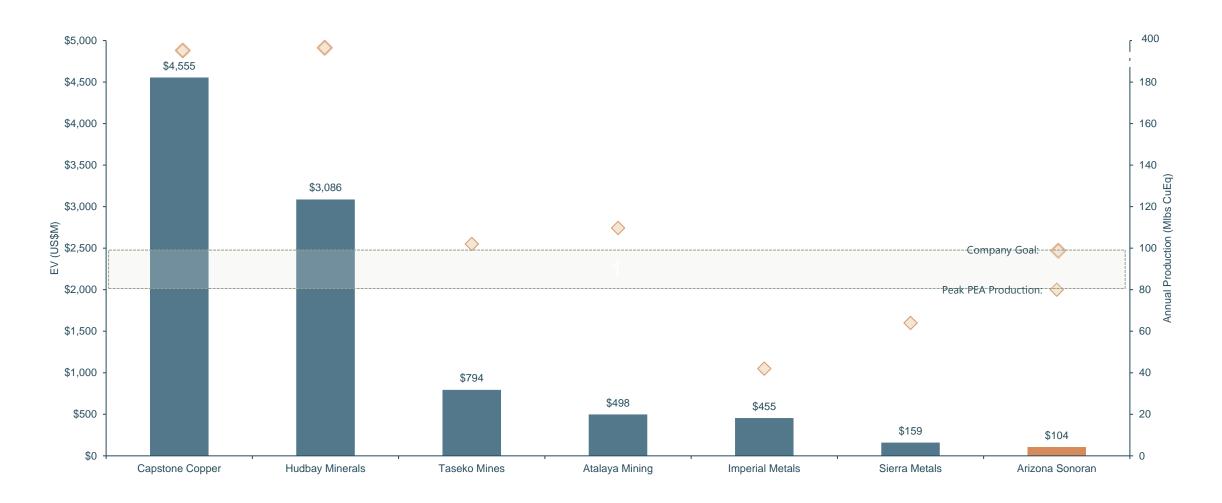


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Copper Development Peers (P/NAV)

Source: Company Filings, Capital IQ, August 31, 2023





Source: Company Filings, Capital IQ – August 31, 2023

(1) Arizona Sonoran production shown as peak production of ~80 Mlbs, an additional data point is shown as the Company's goal of +100 Mlbs of annual copper production

Benchmarking ASCU to Copper Developers

	Similar future	production prof	ile to ASCU with a	a P/NAV of 0.34x					P/NAV: 1.16x	Acquired at a 23% premium ⁽²⁾
		ARIZONA	FILO			marimaca	¥ W	FARADAY COPPER		
Market Capitalization (C\$M)		\$172	\$2,780	\$2,196	\$1,086	\$379	\$319	\$128	\$2,763	\$590 ⁽²⁾
Asset Name	C	actus / Parks Salyer	Filo del Sol	Santa Cruz / Tintic	McIlvenna Bay	Marimaca	Kay	Cu Creek / Contact Cu	Caraiba	Copper Mountain
Economic Study Level		PEA	PFS	PEA	FS	PEA	Historic	Historic	Production	Production
Development Type (Greenfields or Brownfields)		Brownfields	Greenfields	Greenfields	Brownfields	Greenfields	Brownfields	Greenfields	n/a	n/a
Jurisdiction		Arizona	Argentina	Arizona / Utah	Sask.	Chile	Arizona	Arizona	Brazil	BC
Fraser Institute Policy Perception Index (Rating Out of	100)	85	77	85 / 91	91	69	85	85	48	76
Measured & Indicated Attributable Resource (MIbs Cu	Eq)	1,611	6,161	6,197	2,096	1,984	-	4,456	2,868	7,296
Inferred Attributable Resource (Mlbs CuEq)		4,894	2,552	4,073	337	312	-	669	1,063	2,599
Mine Life (Years)		18	13	20	18	12	-	32	16	31
Annual Attributable LOM Production (Mlbs CuEq Paya	ble)	62	340	175	65	79	-	264	102 ⁽¹⁾	64 ⁽¹⁾
LOM C1 Cash Cost (US\$/Ib CuEq)		\$1.55	\$1.54	1.36	\$1.79	\$1.22	-	\$1.67	\$1.36 ⁽¹⁾	\$3.88 ⁽¹⁾
Capital Intensity (US\$/Ib CuEq)		\$2.20	\$5.30	\$6.55	\$4.47	\$3.61	-	\$3.02	n/a	n/a
Headline After-Tax IRR (%)		33%	20%	23%	22%	34%	-	16%	n/a	n/a
Headline After-Tax NPV (US\$M)		\$312	\$1,310	\$1,317	\$370	\$524	-	\$713	663.7	\$1,245
Economic Study Long-Term Copper Price (US\$/lb Cu)		\$3.35	\$3.65	\$3.80	\$3.50	\$3.15		\$3.80	\$3.00	\$3.60

Source: S&P Capital IQ. Company Filings. The Integrated Cactus PEA is preliminary in nature, it includes inferred mineral resources that are considered too speculative geologically to have economic considerations applied to the them that would enable them to be categorized as mineral resources that are considered too speculative geologically to have economic considerations applied to the them that would enable them to be categorized as mineral reserves and there is no certainty that the preliminary economic assessment will be realized. Data as of July 26, 2023

(1) Figures are 2022 actuals (2) Hudbay acquired Copper Mountain at an exchange ratio of 0.381 Hudbay shares per Copper Mountain share, representing a US\$439M equity value and a 23% premium based on the April 12, 2023, closing price

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Brownfield Exploration and Development Project in Tier 1 Jurisdiction



Private Landownership = State and County Led Permitting process



Proposed Copper Heap Leach, SXEW Operation⁽¹⁾⁽²⁾



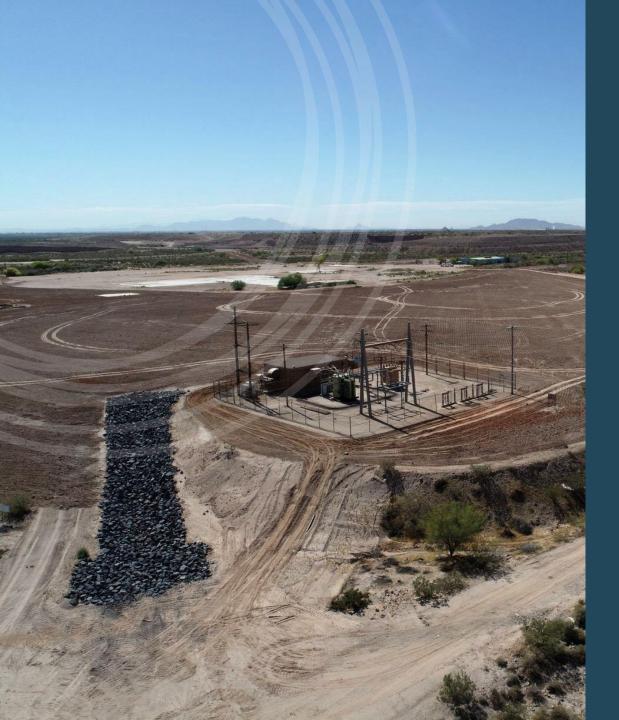
Building Scalability and Growth



Experienced Leadership Team; Strong Supportive Sponsors



Supportive Copper Market Fundamentals ESG Framework in Place, Path to Net Zero





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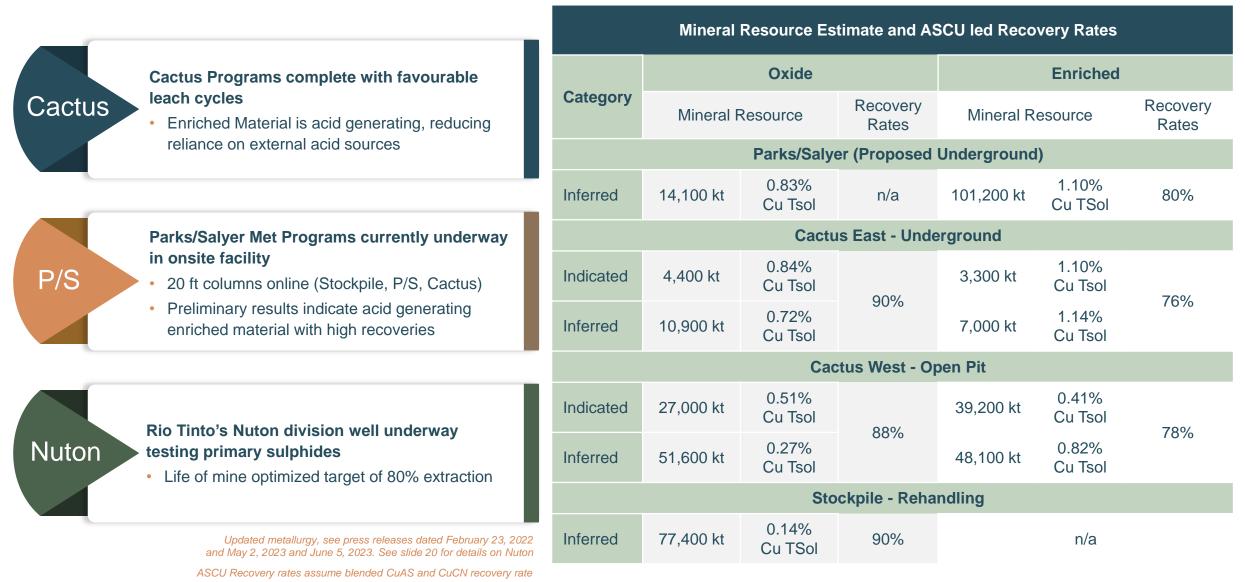
Appendix

Value Proposition: Benchmarking to Copper Developers

Low-Risk Copper Developer in Top Tier Jurisdiction

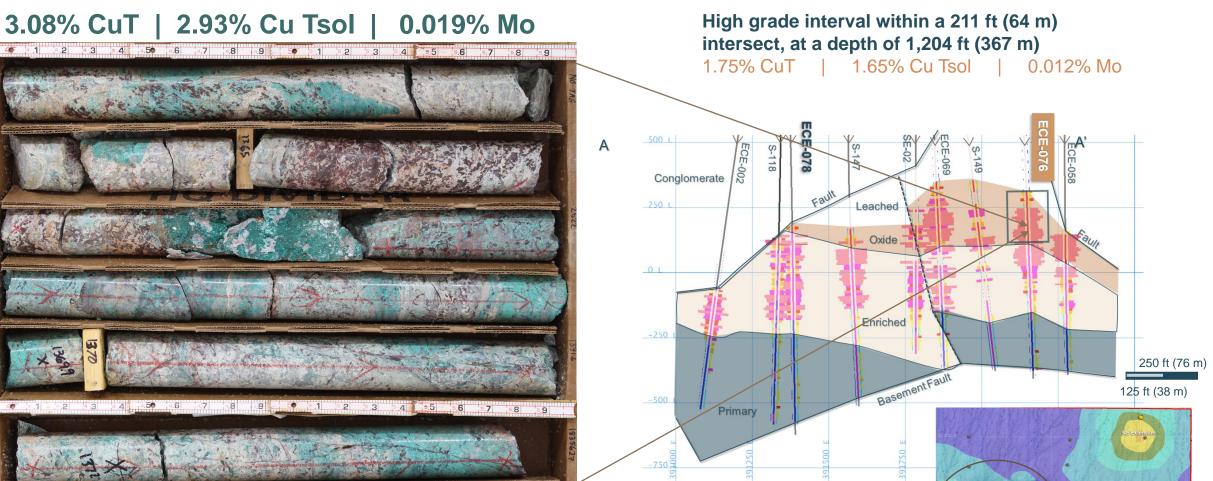


Positive Metallurgical Programs – Recovery Rates by Mineral Type



30

Infill to Measured: ECE-076 - Oxide, Chrysocolla and Malachite in Granite Results Support mine plan



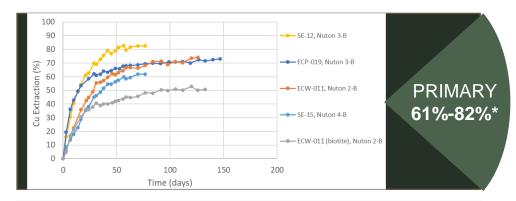
10.0 ft (3.0 m) **Interval from 1,362.0 ft – 1,372.0 ft** (415.1 m – 418.2 m)

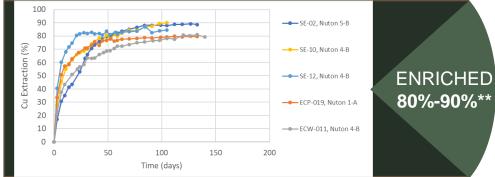
CE Cross section, looking WNW

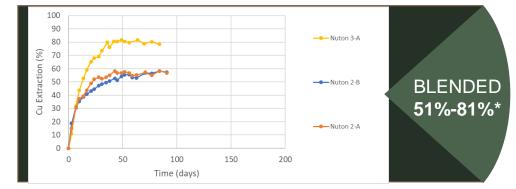
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Nuton Copper Extraction Column Data vs ASCU Data

		AS	NUTON™				
	Prog	rams updated Fe	eb 2022 and Ma	ay 2023	Preliminary Column Data		
Mineral Resource Location	Net Copper Extraction (% Cu AS)	Net Copper Extraction (% CuCN)	Blended Extraction (%)	Net Acid Consumption (kg/tonne)	Extraction (%)	Net Acid Consumption (kg/tonne)	
			Oxides				
Stockpile	90% ¹	40% ¹	81%	8			
Cactus West	92% ¹	73% ¹	88%	8			
Cactus East	92% ¹	73% ¹	90%	8	n/a		
Parks Salyer							
		Enriched	(Secondary S	ulphide)			
Cactus West	92% ¹	73% ¹	78%	(-) 5	80% - 90%	2.2	
Cactus East	92% ¹	73% ¹	76%	(-) 5	80% - 90%	2.2	
Parks Salyer			80%	(-) 5	80%	2.2	
		Prir	nary Sulphide	s			
Flotation (ASCU)/ Leaching (Nuton)			86% ²	(-) ⁵	61% - 82% ³	3.4	
	E	Blended (Primai	ry and Second	lary Sulphide)			
Flotation (ASCU)/ Leaching (Nuton)			91% ²	(-) ⁵	51% - 81% ⁴	3.4	







See PR dated June 5, 2023 for additional disclosure

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Our ESG Framework – Setting the Pace for Net Zero Carbon Emissions



• ASCU is actively exploring use of renewable energy for its operations with the goal of becoming a "Net Zero Carbon Emissions" copper producer

• Ability to also reduce carbon footprint by Arizona Public Service's transition to renewable resources (65% by 2030 and 100% by 2050)

Local Support for the Cactus Mine

Overwhelming support for the Cactus Mine in Casa Grande – economic survey shows \$8.5 Billion of indirect and direct revenues to the local community.

Probably Support
Don't Know, Refused
Definitely Oppose
Probably Oppose
Definitely Support



Oppose

GOP: 93.0% Support Dem: 66.7% Support PND: 84.4% Support IND: 91.1% Support Casa Grande: 81.5% Support Maricopa: 84.8% Support

Polling completed by Highground Public Affairs Consultants in December 2021

Journey Towards Net Zero - Partnership with Minviro

PFS/FS

- Design parameters used to scope impact
- GHG inventory assessment (Scope 1, 2 and 3)
- Consideration of impact of diesel fuel, sulfuric acid, carbonate minerals, electricity, cement in operations across Scopes 1 and 2
- 100% renewable energy solutions
- Careful water use and management
- Waste and pollution management air quality, dust management and tailings management
- Establishing carbon trading and offset policies/trading to the extent required

PRODUCTION AND REPORTING

- Establishing reporting KPIs
- Reporting to international standards (e.g. SASB, TCFD)



Construction

- Investment in low carbon technologies and minimizing direct impacts (Scope 1 & 2)
- Supply chain management to minimize Scope 3 emissions
- Local procurement and workforce hiring generating positive social impact
- Compliance with global standards (e.g., Equator Principles) to align with debt financing

Robust Returns from Lowest Capital Intensity vs Peer Group

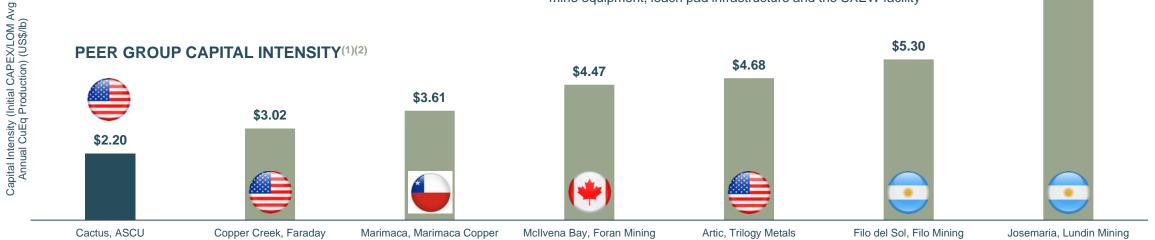
Between the PEA and the upcoming Prefeasibility study, ASCU is reviewing the following:

- Mining inventory (potential to include P/S and Primary Material)
- Development plan sequencing
- Metallurgical recoveries
- Operating cost parameters
- Capital cost parameters
- Macro inputs

PEA CONSTRUCTION CAPEX BREAKDOWN (US\$M)							
Direct & Indirect Cost Components	Leach Pads, Ponds & Pipelines	SXEW Facility	Total Capital Cost				
Directs Subtotal	\$18.4	\$45.9	\$64.3				
Indirects Subtotal	\$3.1	\$19.1	\$22.2				
Contingency	\$3.0	\$9.0	\$12.0				
Total Process Construction Cost (22 ktpa)(Initial)	\$24.5	\$74.1	\$98.5				
Land Acquisitions			\$22.9				
Project Other Costs			\$2.6				
Total Initial Construction Cost			\$123.9				

Assumes contractor mining

 A contingency of 15% has been included in the capital cost for ancillary mine equipment, leach pad infrastructure and the SXEW facility

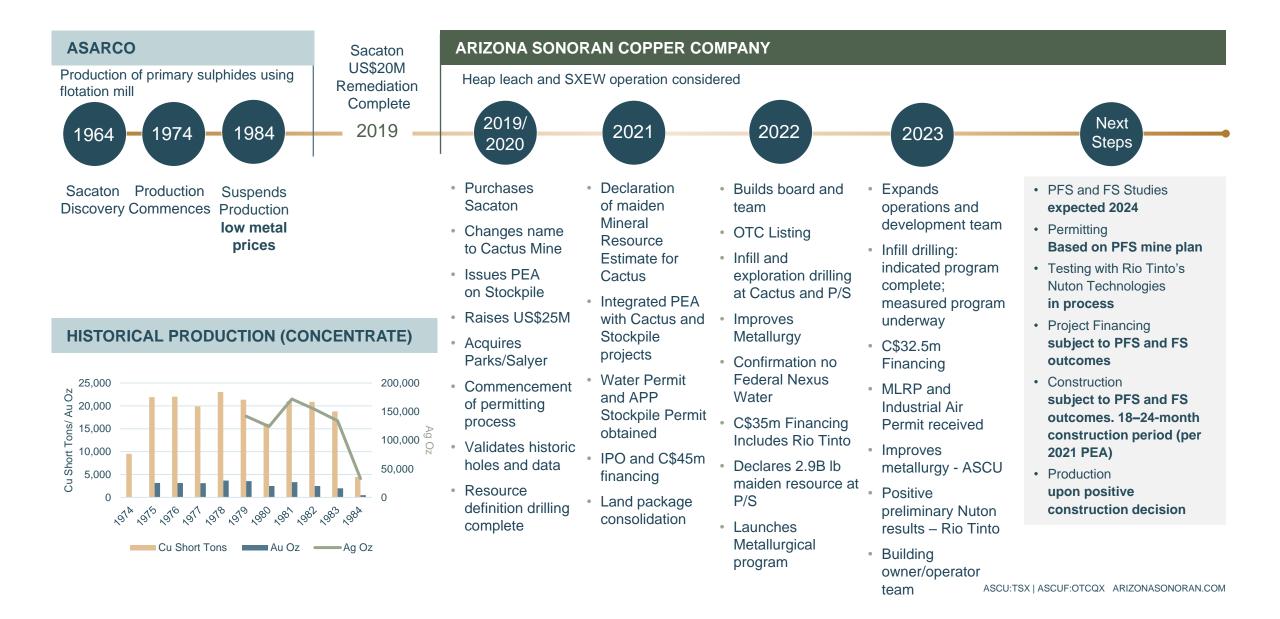


Source: (1) Integrated Cactus PEA 2021 for ASCU – Table 21-2; Copper Creek Project, Faraday Copper (Copper Creek Project PEA, Arizona, USA; Report Date: May 3, 2023); McIlvenna Bay Project, Foran Mining (FS for the McIlvenna Bay Project, Saskatchewan, Canada; Report Date: April 14 2022); Marimaca Project, Marimaca Copper (PEA for the Marimaca Project, Antofogasta, II Region, Chile; Report Date 4 August 2020); Filo del Sol, Filo Mining (Updated PFS for the Filo del Sol Project, San Juan Province, Argentina; Report Date: February 28, 2023); Arctic Project, Trilogy Metals (FS for the Arctic Project, Alaska, USA; Report Date: January 20, 2023); and Josemaria Copper-Gold Project, Josemaria Copper-Gold Project, San Juan Province, Argentina; Report Date: September 28, 2020) (2) The Integrated Cactus PEA is preliminary in nature, it includes inferred mineral resources that are considered too speculative geologically to have economic considerations applied to them that would enable them to be categorised as mineral reserves and there is no certainty that the PEA will be realised

\$7.57

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Reactivating a Brownfields Property Using New Technologies



Material Type	Tons (kt)	CuT %	TSol %	Contained Cu (k lbs)	Contained Cu (k Tons)				
INDICATED									
		Cactus							
Oxide	31,400		0.559	349,700	176				
Enriched	42,500		0.844	715,500	359				
Total Leachable	73,900		0.723	1,065,200	534				
Primary	77,900	0.35		545,500	273				
Total Indicated	151,800	0.53	31	1,610,700	806				
		INFERRE	D						
		Cactus							
Oxide	62,500		0.346	430,500	216				
Enriched	55,100		0.498	548,800	274				
Total Leachable	117,600		0.417	979,300	490				
Primary	111,300	0.349		776,000	388				
Total Inferred	228,900	0.38	34	1,755,300	879				
		Stockpi	le						
Oxide	77,400		0.144	223,500	111				
		Parks/Sal	yer						
Oxide	14,100		0.827	233,700	117				
Enriched	101,200		1.1	2,227,200	1,113				
Total Leachable	115,400		1.066	2,460,900	1,230				
Primary	28,300	0.804		454,400	228				
Total Inferred	143,600	1.01	5	2,915,400	1,458				
		Total Resou							
		INDICAT							
Total Leachable	73,900		0.723	1,065,200	534				
Total Indicated	151,800	0.53		1,610,700	806				
		INFERRE							
Total Leachable	310,400		0.59	3,663,700	1,832				
Total Inferred	449,900	0.54	4	4,894,200	2,447				

1. CuT means total copper and Tsol means total soluble copper as the addition of sequential acid soluble and sequential cyanide soluble copper assays. Tons are reported as short tons.

2. Cactus and Stockpile Resource estimates have an effective date of 31st August, 2021 and use a copper price of US\$3.15/lb. The assumptions in respect of the Cactus and Stockpile Resource estimates are as stated in the Preliminary Economic Assessment ("PEA") titled "Arizona Sonoran Copper Company, Inc. Cactus Project, Arizona, USA Preliminary Economic Assessment" with an effective date of filed in August 31, 2021; Parks/Salyer Resource estimate has an effective date of 7th September, 2022 and uses a copper price of US\$3.75/lb

3. Technical and economic parameters defining resource pit shell: mining cost US\$2.45/t; G&A US\$0.55/t, and 44°-46° pit slope angle.

4. Technical and economic parameters defining underground resource: mining cost US\$28.93/t, and G&A representing 7% of direct costs.

5. Technical and economic parameters defining processing: Heap leach (HL) processing cost including selling US\$1.77/t; HL recovery 83% of CuT; mill processing cost US\$8.50/t.

6. For Cactus: Variable cutoff grades were reported depending on material type, potential mining method, and potential processing method. Oxide material within resource pit shell = 0.096% TSol; enriched material within resource pit shell = 0.098% TSol; primary material within resource pit shell = 0.205% CuT; oxide underground material outside resource pit shell = 0.56% TSol; enriched underground material outside resource pit shell = 0.70% TSol; primary underground material outside resource pit shell = 0.70% CuT.

7. For Parks/Salyer: Variable cutoff grades were reported depending on material type associated potential processing method. Oxide underground material = 0.495% TSol; enriched underground material = 0.60% TSol; primary underground material = 0.586% CuT.

8. Mineral resources, which are not mineral reserves, do not have demonstrated economic viability. The estimate of mineral resources may be materially affected by environmental, permitting, legal, title, sociopolitical, marketing, or other relevant factors.

9. The quantity and grade of reported inferred mineral resources in this estimation are uncertain in nature and there is insufficient exploration to define these inferred mineral resources as an indicated or measured mineral resource; it is uncertain if further exploration will result in upgrading them to an indicated or measured classification.

10. Total may not add up due to rounding.

Rediscovering the World-Class Santa Cruz Copper Porphyry System

Santa Cruz porphyry copper system extends northeast over P/S and beyond the Cactus Mine Project.

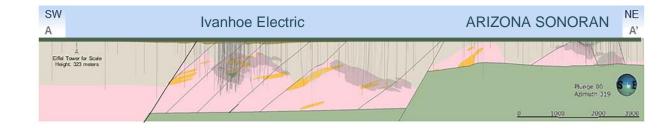
ASCU – active drilling (3 rigs) - IE – active drilling (6 rigs)

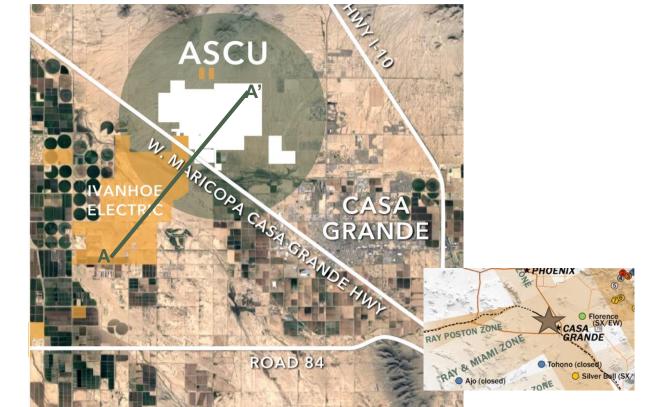
Ivanhoe Electric Mineral Resource Estimate

Source : Ivanhoe Electric Technical Report

- Indic 226 Mt of 1.24% CuT, 0.82% Cu TSol •
- Inf 149 Mt of 1.24% CuT, 0.82% CuTSol .
- (0.39% cut-off \$3.70/lb Cu) •

Inf 11.1 Mt







SIGNIFICANT INDEPENDENT COPPER DEVELOPMENT **ASSETS IN THE USA**

40

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