

ARIZONA SONORAN

Invest in Sustainability

Developing an Arizona Copper Mine to Supply the Energy Transition

Cautionary Information

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", "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 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. Accordingly, you should not place undue reliance on 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\$190M
Shares Outstanding (M)	108.6
Warrants (M)	2.9
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 March 29, 2023	US\$25M
Debt	Debt Free

Notes:

(1) RSUs may be issued in shares or cash

OWNERSHIP



ANALYST COVERAGE



CORMARK











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



lan McMullan, P.Eng., MBA COO

+25 years of mining experience in operational and management roles. 20 year tenure with Newmont including responsibility for ramp-up and expansion of Leeville and Carlin Portal (Newmont/Barrick). **Previously VP of Mining at Klondex**



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



TEMBO CAPITAL

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

STRONG SPONSOR SUPPORT

Global leading diversified

Innovating technologies to

Shareholder since 2022

metals and mining company

advance the mining industry

with operations in 35 countries.

RioTinto

Shareholder since 2020





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

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



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 & Oryana Minerals



Thomas Boehlert, ICD.D DIRECTOR

+30 years in the agribusiness, mining & energy. Experienced finance executive at 6 international public & private resource companies. 14 years' experience in infrastructure and energy project finance banking at Credit Suisse. Previously EVP, CFO of Bunge Limited, President, CEO of First Nickel Inc., EVP, CFO for Kinross Gold Corporation & CFO of Texas Genco. Previously also non-executive director of Harry Winston and TMAC Resources



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



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



Sarah Strunk
DIRECTOR

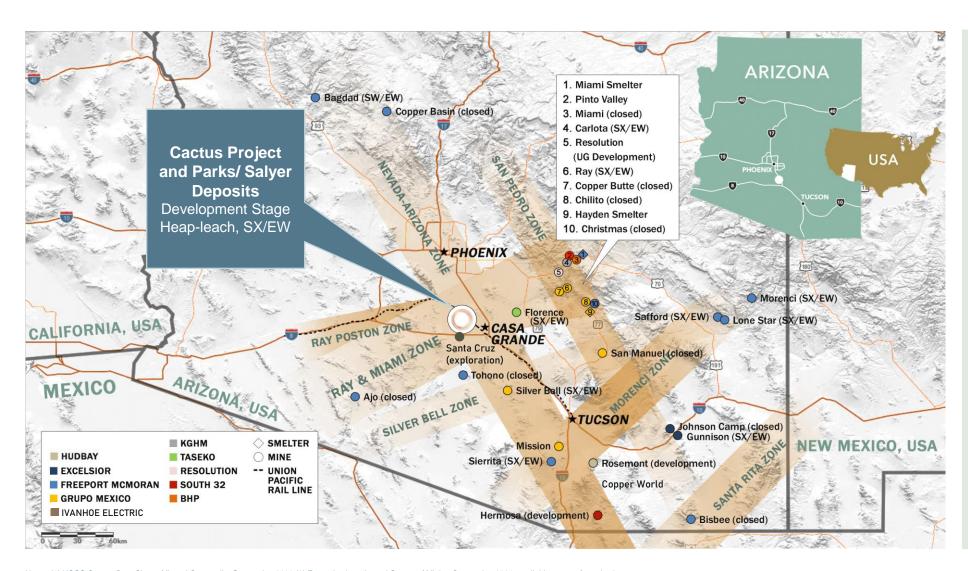
+37 years in the mining law, with commercial, legal and transactional experience. Currently Chair at Fennemore Craig and Director of Teck. Previously at Cyprus Amax Minerals Corporation. Also served on the Board of Arizona Mining Association, as Trustee of the Foundation for Natural Resource and Energy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



Location Advantage

Low Geopolitical Risk and Community Support

Centrally located for Accessible Infrastructure and Skilled Labour-force





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



Arizona ranked No. 5 for the year 2021 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

A Clear Path to Development with Major Permits in Place

COMPLETED PERMITS

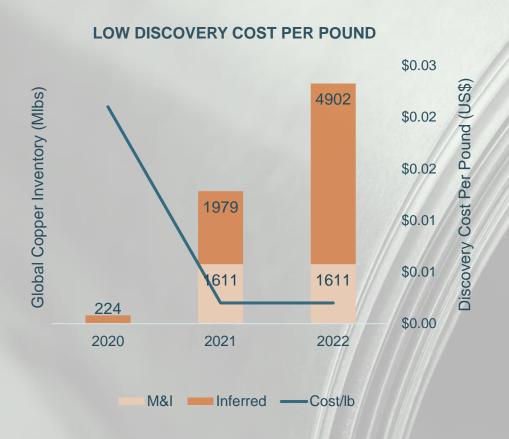
Permit	Permit Office
Air Quality Dust Permit	Pinal County
Arizona Pollution Discharge Elimination System (402) (SWPPP)	ADEQ
Water Rights Use up to 3,800 acre-ft / yr	ADWR
Aquifer Protection Permit For Stockpile Project	ADEQ
General Plan Amendment Including development agreement and city zoning change 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

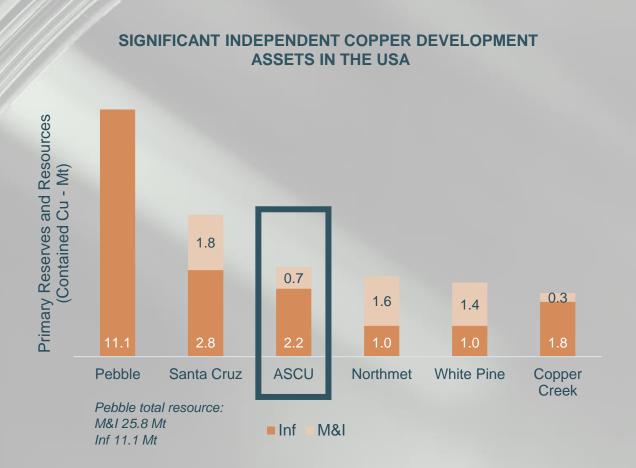
OUTSTANDING PERMITS - STREAMLINED PROCESS

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

Among the Most Developed Independent US Development Copper Assets





Source: S&P Capital IQ USA and company reports| Metals and Mining Projects based on active, independent, development stage assets in the USA, as of Feb 15, 2022. Not including projects currently under JV. See PR dated Sept 28, 2022 for disclosures regarding the Cactus and Parks/Salyer MRE.



ASCU PFS Base Case

Brownfield Site – Water rights and Surface Rights



Infrastructure Valued at \$100M

- Offices, core shack and ancillary buildings
- Power substation
- Onsite metallurgical testing
- Water wells and water pond permitted
- Permitted water access to the year 2070

- Rail line (to ship concentrate to refinery)
- Stockpile (part of Integrated Cactus PEA)
- Vent raise, shaft and underground workings (has not been upgraded)



PEA Base Case – Cactus Mine

Project Economics + Rescoped Opportunity

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)					
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/tonUS\$1.55/lbUS\$1.88/lb (incl. 3.18% royalty on Cactus)					
Capex	 Initial Construction Capex: US\$124M Sustaining Capex over LOM: US\$340M 					
Free Cash Flow (Post tax Undiscounted)(US\$3.35/lb Cu)	• US\$960M					
NPV8 Post-Tax	• \$312 M					
IRR Post-Tax	• 33%					

Sources/Notes: (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 realised (3) Mineralized Material Sources:

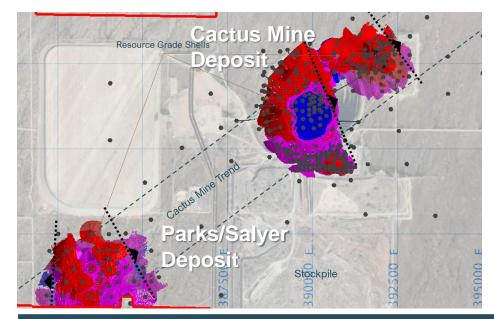
- Stockpile
- Cactus East
- Cactus West
- Parks/Salver
- Primary Sources

Pending PFS layers in Parks/Salyer and targets 50 ktpa over approximately 30 years

- Mining inventory review to include material from:
 - PEA Base Case: Cactus West, Cactus East, Stockpile oxides and enriched material
 - ADDITIONS: Parks/Salyer oxide and enriched matter
- Development plan sequencing
- Metallurgical recoveries
- Park Salyer Geotechnical and Hydrology
- Operating cost parameters
- · Capital cost parameters
- Macro inputs
- Nuton Leaching Technology Option

PFS - Base Case Targeting 50 ktpa Operation

Oxide and Enriched Material



Heap leach, SX/EW Proposed operation

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

PFS Expected Q1 2024, programs include:

- 105,000 ft (32,000 m) infill to indicated drilling program complete
- Ongoing metallurgy
- Permitting well-advanced
- Lead engineer Ausenco

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

Positive Metallurgical Programs – Concurrent PFS / FS Columns Ongoing

Simple heap-leach and SXEW process for Base Case and Primary Sulphide Optionality with Nuton



Cactus Programs complete with favourable leach cycles

 Enriched Material is acid generating, reducing reliance on external acid sources

P/S

Parks/Salyer Met Programs currently underway in onsite facility

- 20 ft columns online (Stockpile, P/S, Cactus)
- Preliminary results indicate acid generating enriched material with high recoveries



Rio Tinto's Nuton innovations department well underway testing primary sulphides

Columns began in late 2022

Updated metallurgy, see press releases dated February 23, 2022 and May 2, 2023

Met Program (updated May 2023)	Leach Cycle	Leach Cycle Recoveries		Net Acid Consumption (lb/ton)	
Stockpile (Oxide – 05/23)	After 60 days	90%	22	16	
Cactus (Oxide)	90 day leach cycle	92%	22	16	
Cactus (Enriched)	200-220 day leach cycle	73%	21	0	
Parks/Salyer (enriched – 05/23)	Preliminary Results at 160 days	80%	22	0	



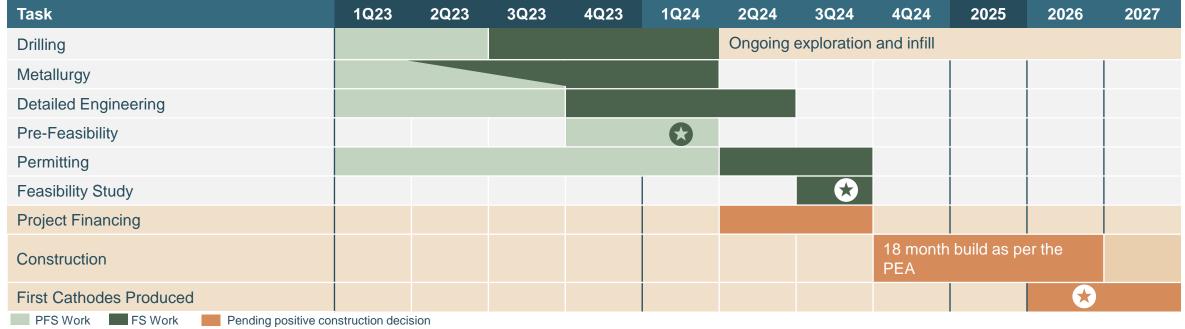


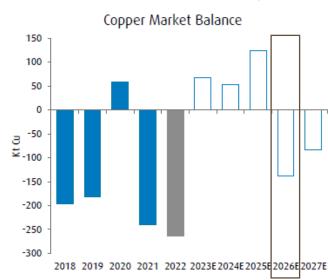
Cactus mine site above, with Trustone Facility on the right side of the image

Inside the Trustone building: 12 online 20 ft columns online, image on the right

First Cathodes Expected in 2026 - Copper Market Support 2025 and Beyond

Quick Path to Development

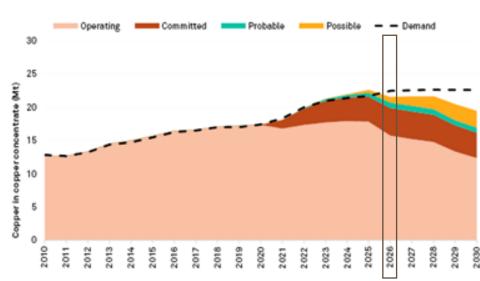




Timing is everything. In 2026:

Long-term copper price is predicted to exceed \$4.00 / lb

Copper supply is set to fall into deficit



Sources: BMO and S&P



Beyond the Base Case

Primary Sulphide Optionality

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

- Initial computer modelling showed +72% leaching recoveries of primary sulphides
- Technology assumes simple heap leach and SX/EW plant flowsheet
 If successful, unlocks a substantial stranded resource below the PFS base case
- Primary mineralization open around Cactus West and NE of Cactus East

Project Primary Indicated

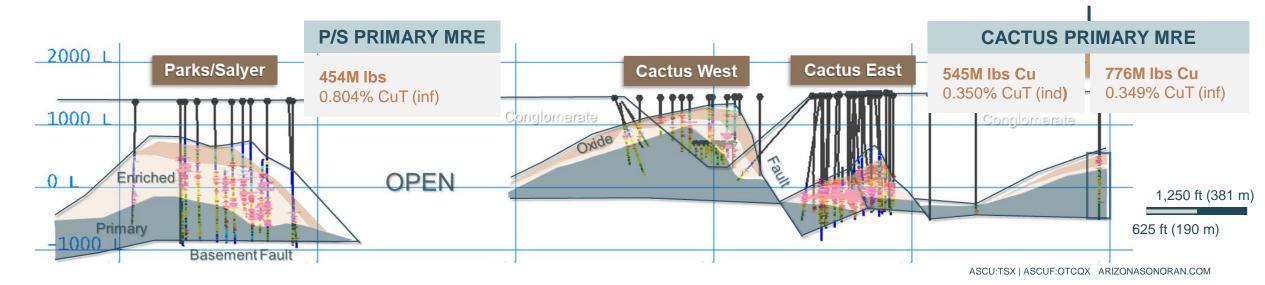
545 M lbs

Project Primary Inferred

1.2 B lbs

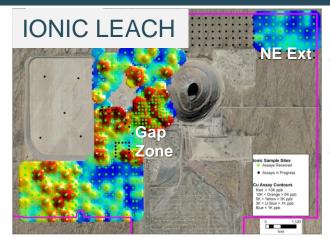
ABOUT NUTON™

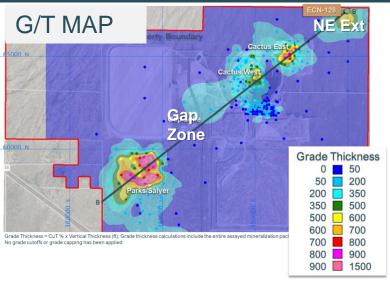
- NutonTM is a proprietary suite of copper leach technologies
- Potential to unlock low-grade copper sulphide resources, copper bearing waste and tailings, and achieve higher copper recoveries on oxide and transitional material
- Potential to deliver leading environmental performance
- Testing material 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
- NE Extension:
 - ECN-128 confirmed mineralization, similar to P/S and CE, 1 km NE of CE
 - · Historic drilling intercepted 3% Cu
- A 20,000 ft (6,100 m) exploration program is being considered at Gap Zone



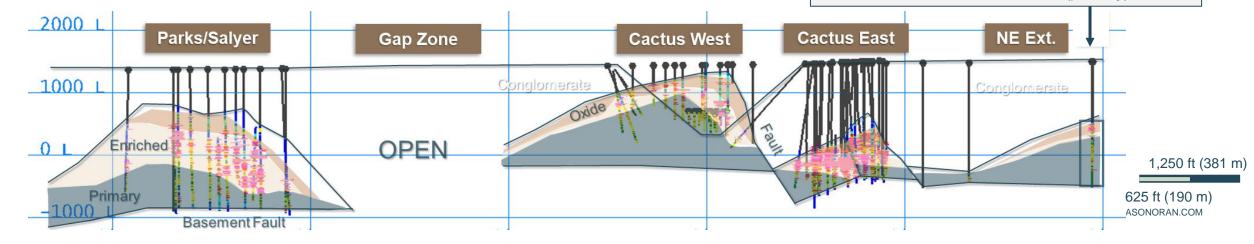


ECN-128 CONTINUOUS MINERALIZATION: 997.4 ft @ 0.46% CuT, 0.20% Cu Tsol, 0.007% Mo

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 *

*Pending positive construction decision



Construction

Foran Mining

Financing and permits in hand, in construction



Operations



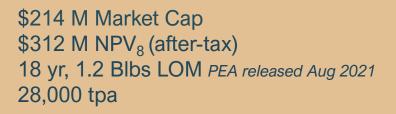
ERO Copper

In operations 270% Share Price Increase

\$2,461 M Market Cap \$966 M NPV* 20 yr, 556 Mlbs LOM 62,000 tpa; 40,000 oz/y

*Analyst estimate, pre-resource update

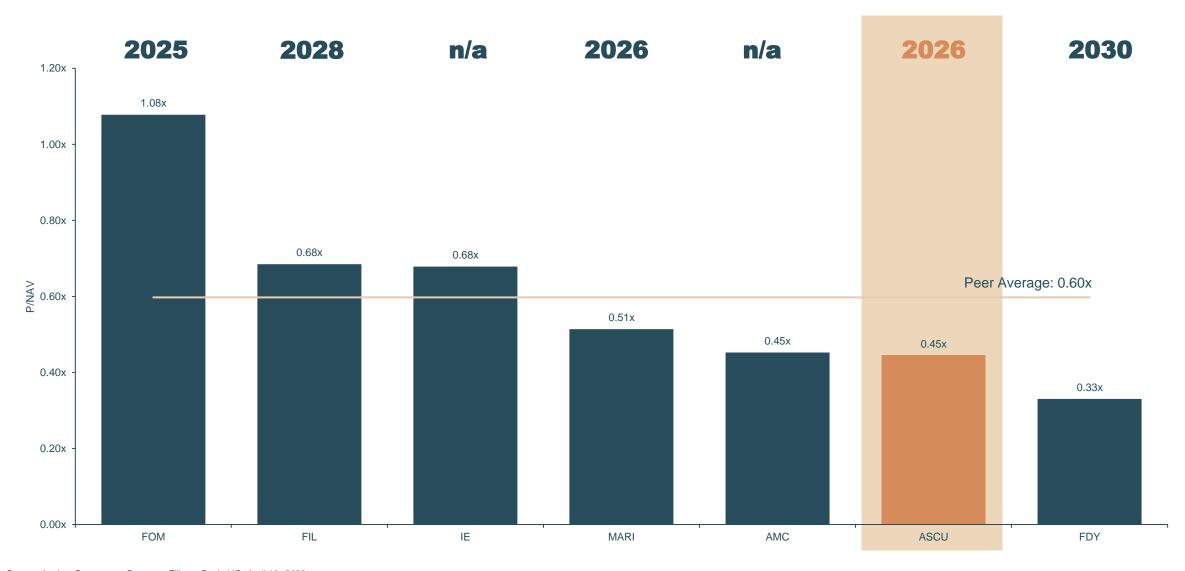
\$1,184 M Market Cap \$678 M NPV₇ (after-tax) 18 yr, 1.2 Blbs LOM 29,500 tpa





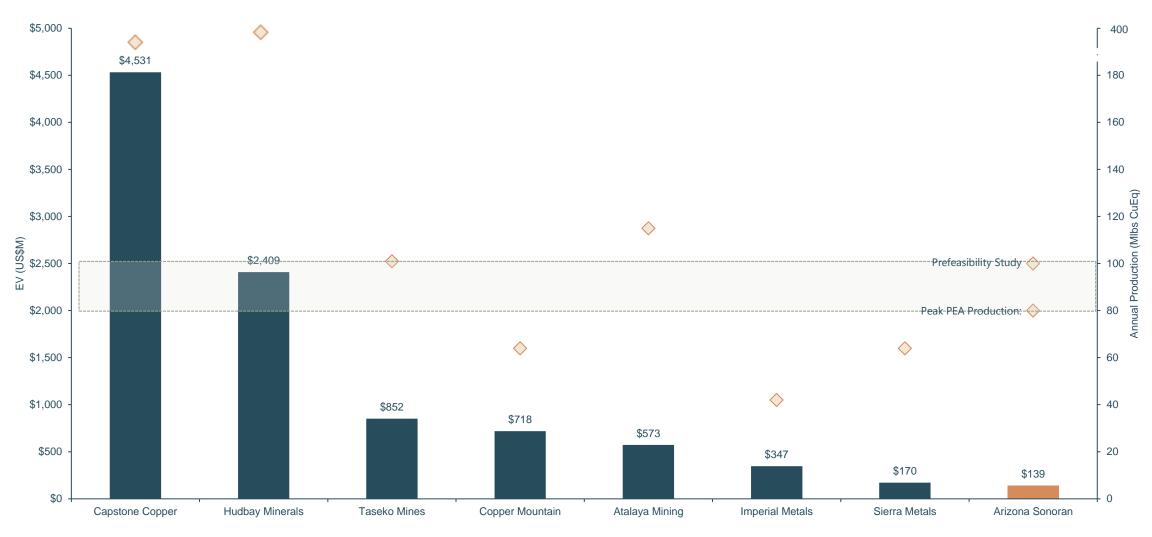
ASCU:TSX | ASCUF:OTCQX ARIZONASONORAN.COM

Current Copper Development Peers (P/NAV) With Anticipated First Production Dates



Source: Analyst Consensus, Company Filings, Capital IQ, April 19, 2023

Future Copper Producer Peers (Enterprise Value and Production)



Source: Company Filings, Capital IQ - April 19, 2023

(1) Arizona Sonoran production shown as peak production of ~80 Mlbs, an additional data point is shown as the Company's PFS target of +100 Mlbs/50 ktpa of annual copper production

Key Investment Highlights

A Goal to Provide the US with Locally Sourced Copper



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)



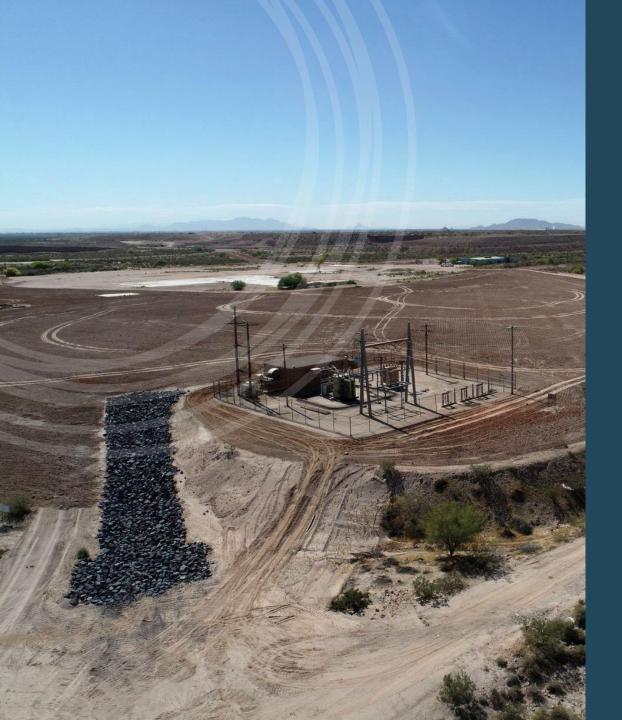
Building Scalability and **Growth**



Experienced Leadership Team; Strong Supportive Sponsors



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



ARIZONA SONORAN

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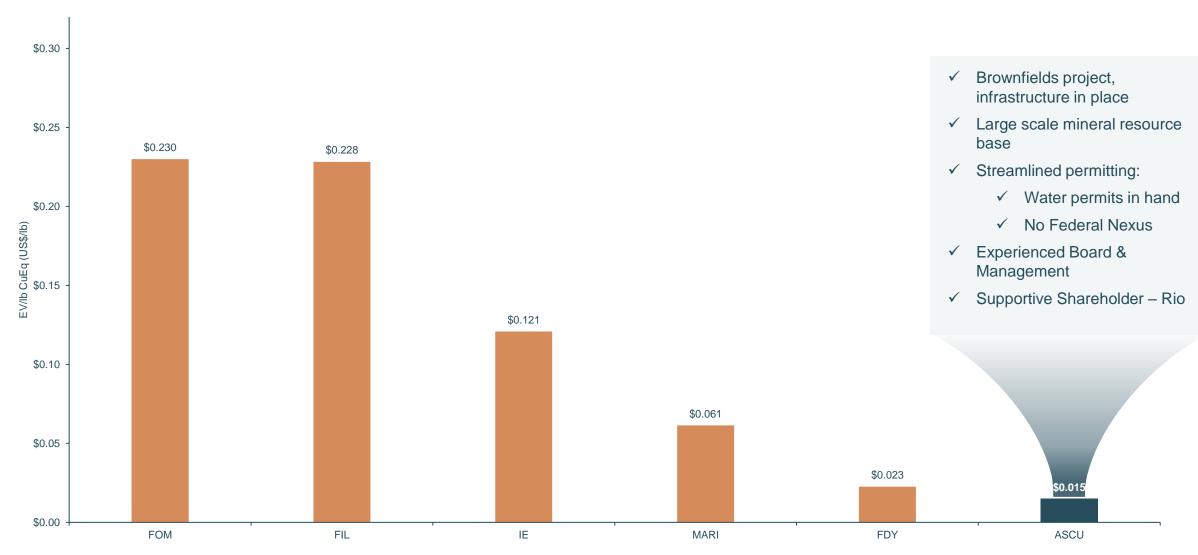
George Ogilvie, P.Eng President, CEO & Director gogilvie@arizonasonoran.com +1 (416) 723-0458 (cell)

www.arizonasonoran.com | www.cactusmine.com



Value Proposition: Benchmarking to Copper Developers

Low-Risk Copper Developer in Top Tier Jurisdiction



Source: Company Filings, Capital IQ. April 19, 2023

Benchmarking ASCU to Copper Developers

Similar future production profile to ASCU with a P/NAV of 0.45x

P/NAV: 1.07x

P/NAV: 0.77x

Arizona Sonoran	













	MOUNTAIN					

	SONORAN	ELECTRIC	FARADAY COPPER	MINING CORPORATION	MINING	•	marimaca	COPPER	MINING CORPORATION
Market Capitalization (C\$M)	\$190	\$1,536	\$198	\$1,184	\$3,006	\$504	\$365	\$2,461	\$568
Asset Name	Cactus / Parks Salyer	Santa Cruz / Tintic	Cu Creek / Contact Cu	McIlvenna Bay	Filo del Sol	Kay	Marimaca	Caraiba	Copper Mountain
Economic Study Level	PEA	Resource	Historic	FS	PFS	Historic	PEA	Production	Production
Development Type (Greenfields or Brownfields)	Brownfields	Greenfields	Greenfields	Brownfields	Greenfields	Brownfields	Greenfields	n/a	n/a
Jurisdiction	Arizona	Arizona / Utah	Arizona	Sask.	Argentina	Arizona	Chile	Brazil	ВС
Fraser Institute Policy Perception Index (Rating Out of 100)	85	85 / 91	85	91	77	85	69	48	76
Measured & Indicated Attributable Resource (MIbs CuEq)	1,611	6,197	4,126	2,096	6,259	-	1,477	2,868	7,296
Inferred Attributable Resource (MIbs CuEq)	4,894	4,073	673	337	2,545	-	712	1,063	2,599
Mine Life (Years)	18	-	-	18	13	-	12	16	31
Annual Attributable LOM Production (Mlbs CuEq Payable)	56	-	-	65	287	-	79	102 ⁽¹⁾	64 ⁽¹⁾
LOM C1 Cash Cost (US\$/Ib CuEq)	\$1.55	-	-	\$1.79	\$1.54	-	\$1.22	\$1.36 ⁽¹⁾	\$3.88 ⁽¹⁾
Capital Intensity (US\$/Ib CuEq)	\$2.20	-	-	\$4.47	\$7.01	-	\$3.61	n/a	n/a
Headline After-Tax IRR (%)	33%	-	-	22%	20%	-	34%	n/a	n/a
Headline After-Tax NPV (US\$M)	\$312	-	-	\$370	\$1,310	-	\$524	663.7	\$1,245
Economic Study Long-Term Copper Price (US\$/lb Cu)	\$3.35	\$3.70	\$3.80	\$3.50	\$3.65	-	\$3.15	\$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 reserves and there is no certainty that the preliminary economic assessment will be realized. Data as of April 19, 2023

(1) Figures are 2022 actuals

Infill to Measured: ECE-076 - Oxide, Chrysocolla and Malachite in Granite

Results Support mine plan

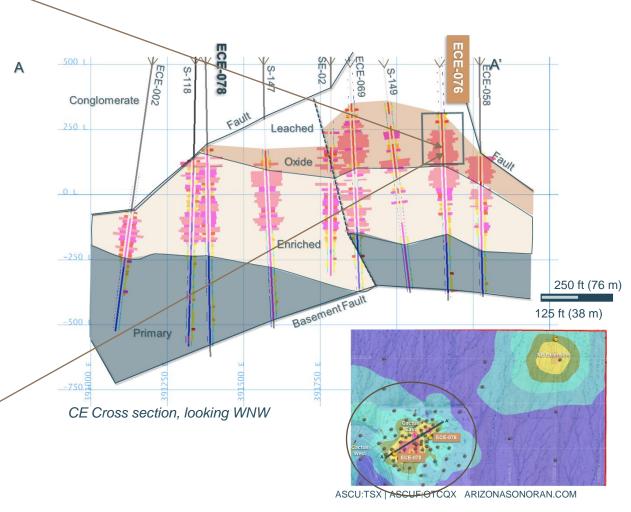
3.08% CuT | 2.93% Cu Tsol | 0.019% Mo 4 41 42 43 44 45 46 47 48 49 5 5 51 52 53 54 55 56 57 58 59 High grade interval within a 211 ft (64 m) intersect, at a depth of 1,204 ft (367 m)

1.75% CuT | 1.65% Cu Tsol |

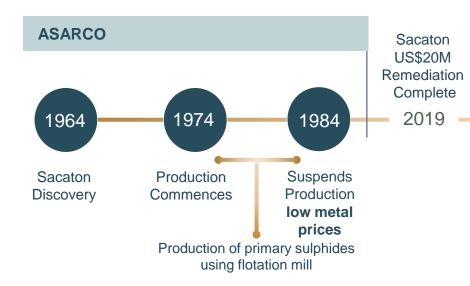
0.012% Mo



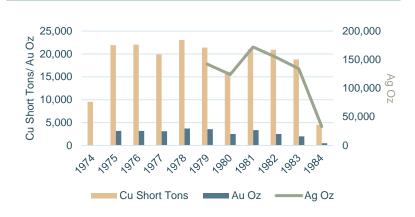
10.0 ft (3.0 m) Interval from **1,362.0** ft **- 1,372.0** ft (415.1 m - 418.2 m)



The Cactus Mine Project History and Path Forward



HISTORICAL PRODUCTION (CONCENTRATE)



ARIZONA SONORAN COPPER COMPANY



- Purchases Sacaton
- Changes name to Cactus Mine
- Issues PEA on Stockpile
- Raises US\$25M
- Acquires Parks/Salver
- Commencement of permitting process
- Validates historic holes and data
- Resource definition drilling complete

- 2021
- Declaration of maiden Mineral Resource Estimate for Cactus
- Integrated PEA with Cactus and Stockpile projects
- Water Permit and APP Stockpile Permit obtained
- IPO and C\$45m financing
- Land package consolidation

- 2022
- Bolsters Board and Team
- Infill and exploration drilling at Cactus and P/S
- Improves Metallurgy
- Confirmation no Federal Nexus Water
- C\$35m Financing Includes Rio Tinto
- Declares 2.9B lb maiden resource at P/S
- Launches Metallurgical program

2023

P/S

• C\$30m

Financing

 Infill drilling -· PFS and FS Studies expected 2023/2024

Next

Steps

- Permitting in process
 - Project Financing subject to PFS and FS outcomes
 - Construction subject to PFS and FS outcomes, 18month construction period
 - Production upon positive construction decision

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

- Revitalizing a brownfield site
- Reduced carbon footprint
- Proactive air quality management
- Careful and efficient water stewardship
- Zero discharge operation
- Concurrent reclamation
- Habitat restoration
- Waste management
- Plan for responsible closure



RESPONSIBLE OPERATIONS

We operate in an
environmentally responsible
manner, investing in low
carbon and water efficient
technologies



A JOURNEY OF RENEWAL

We are commited to mining sustainably:
revitalizing a previously abandoned
site, contributing to local
economic development,
and powering a renewable
energy future

OUR CORE VALUES

GOOD GOVERNANCE



POSITIVE WORK CULTURE

/e provide meaningful fork opportunities and prioritize worker wellbeing and safety

- Meaningful and engaging opportunities
- · Positive health and safety culture
- Diverse, equitable and inclusive workplace
- Competitive pay and benefits
- · Work-life balance
- Respect for human rights
- Ethical work environment

- Copper in renewable energy
- Copper in the electric vehicle sector
- Growing copper needs in the US

RENEWABLE ENERGY FUTURE

We will produce LME grade copper, a critical component in powering the renewable energy and electric vehicle sectors in the US

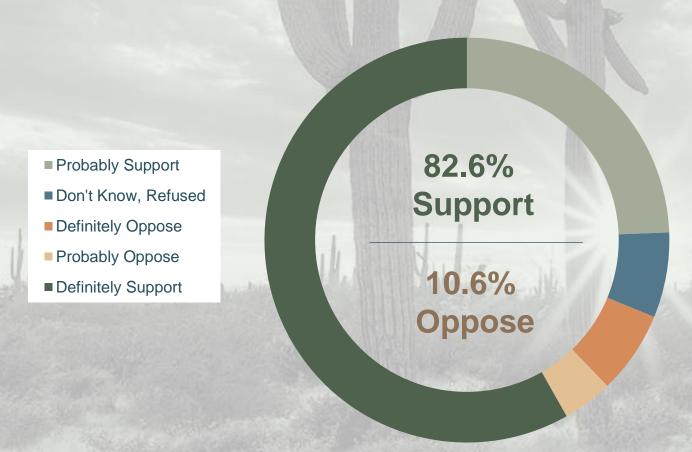
PART OF THE COMMUNITY

We are commited to open dialog with all stakeholders and supporting local economic development

- Commitment to open dialog
- Respecting local culture and traditions
- Supporting the local economy
- Leveraging local talent
- Building a talent pipeline
- Sourcing locally
- Supporting programs that improve quality of life in our host communities
- 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.



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

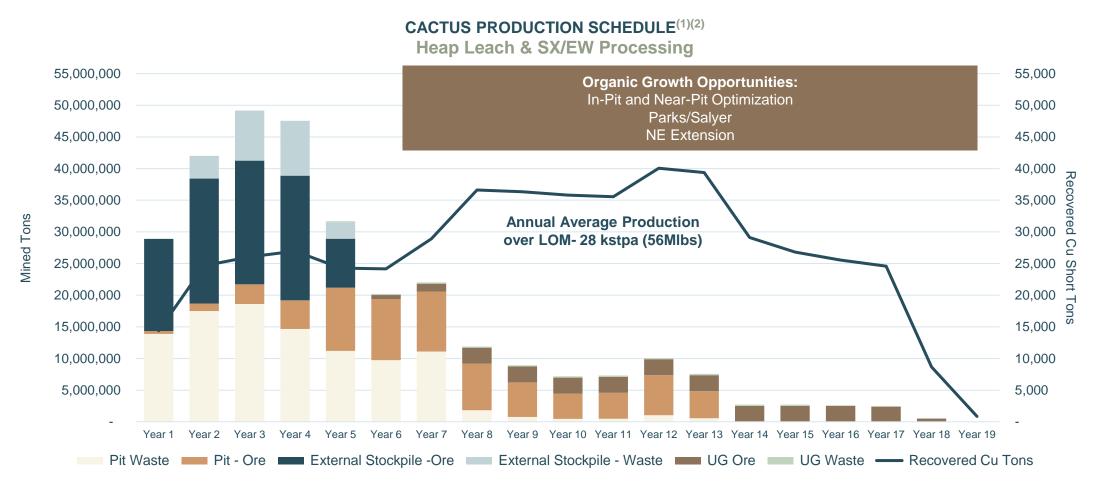
PRODUCTION AND REPORTING

- 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

Cactus PEA Production Schedule – Opportunity beyond 40 kstpa (80 Mlbs)



The mining schedule reflects a layered mining plan targeted at early production with low capex, maximising project returns. Initial plant capacity is designed at 22 kstpa with expansion to 35 kstpa concurrent with underground mining in full ramp up by year 7 of the project start-up. Significant organic expansion opportunities exist

Sources/Notes: (1) Integrated Cactus PEA, Table 16-8 and figure 16-23 (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

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



Sources: (1) Integrated Cactus PEA 2021 for ASCU – Table 21-2, McIlvenna Bay Project, Foran Mining (Pre-feasibility Study for the McIlvenna Bay Project, Report Date: 27 April 2020); Marimaca Project, Antic Project, Antic Project, Antic Project, Antic Project, Trilogy Metals (Arctic Feasibility Study for the Filo del Sol 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 the them that would enable them to be categorised as mineral resources and there is no certainty that the preliminary economic assessment will be realised

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		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	4	1,755,300	879				
		Stockpil							
Oxide	77,400		0.144	223,500	111				
		Parks/Saly							
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							
		INDICATE							
Total Leachable	73,900		0.723	1,065,200	534				
Total Indicated	151,800	0.53		1,610,700	806				
	0.10 : 2.2	INFERRE							
Total Leachable	310,400		0.59	3,663,700	1,832				
Total Inferred	449,900	0.544		4,894,200	2,447				

Notes to the Mineral Resource Estimate

- 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)

