



NORTHERN VERTEX
MINING CORP



THE NEXT PRODUCING GOLD MINE IN THE USA

Gold-Silver Production | Commences Q4 2017



TSX.V: NEE | OTC Nasdaq Intl.: NHVCF

LOW COST • OPEN PIT • HEAP LEACH

CORPORATE PRESENTATION | OCTOBER 2017



Forward Looking Statements

In the interest of providing current and potential shareholders with information regarding the Company's plans and future operations, certain statements and graphics in this presentation contain "forward looking statements." Such forward looking statements involve risk and uncertainty. Although at the time of preparation information used in this presentation was considered reasonable by management, the results may prove to be incorrect and actual results may differ materially from those anticipated in the statements made. Participants are advised to read the section entitled "Risk and Uncertainties" in the Company's MD&A dated March 31, 2017.

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National Instrument 43-101 Standards of Disclosure for Mineral Projects ("NI 43-101") is a rule developed by the Canadian Securities Administrators that establishes standards for all public disclosures an issuer makes of scientific and technical information concerning mineral projects. Unless otherwise indicated, all reserve and resource estimates contained or incorporated by reference in this presentation have been prepared in accordance with NI 43-101 and the Canadian Institute of Mining Metallurgy and Petroleum Classification System. These standards differ significantly from the requirements of the SEC, and reserve and resource information contained herein and incorporated by reference into this presentation may not be comparable to similar information disclosed by U.S. companies.

In this presentation, we use the terms "measured", "indicated" and "inferred" resources. U.S. investors are cautioned that, while such terms are recognized and required by Canadian securities laws, the SEC does not recognize them. Under U.S. standards, mineralization may not be classified as a "reserve" unless the determination has been made that the mineralization could be economically and legally produced or extracted at the time the reserve determination is made. U.S. investors are cautioned not to assume that all or any part of measured or indicated resources will ever be converted into reserves.

U.S. investors should also understand that "inferred resources" have a great amount of uncertainty as to their existence and as to whether they can be mined legally or economically. It cannot be assumed that all or any part of the "inferred resources" will ever be upgraded to a higher category. Therefore, U.S. investors are also cautioned not to assume that all or any part of the inferred resources exist, or that they can be mined legally or economically. Disclosure of "contained ounces" is permitted disclosure under Canadian regulations; however, the SEC only permits issuers to report "resources" as in place tonnage and grade without reference to unit measures. Accordingly, information concerning descriptions of mineralization and resources contained in this presentation, including the documents incorporated by reference therein, may not be comparable to information made public by U.S. companies subject to the reporting and disclosure requirements of the SEC.

We have not independently verified the accuracy of the information regarding the mining industry and other market data set forth herein. Mr. Jim McDonald, P. Geo., is the qualified person responsible for overseeing the technical aspects of this presentation. This information is not intended to provide and should not be relied upon for accounting, legal or tax advice or investment recommendations. You should consult your own advisors as to the accounting, legal, tax, regulatory, business, financial and related aspects of making an investment in the Company.



Key Take-Aways

“The Next Producing Gold Mine in the USA”

- **Financially De-Risked**
 - Strong Financial Partners
- **Technically De-Risked**
 - Pilot production produced 4,000 gold, 20,000 silver
- **Robust Economics**
 - 63% IRR (after tax); 133M NPV
- **First Gold Pour**
 - Scheduled for Q4 2017
- **Blue-Sky Exploration**
 - Targeting 1M+ Oz Gold





Capital Structure

(as of Oct. 12, 2017)

Exchange Listings

TSX.V: NEE | OTC Nasdaq Intl.: NHVCF

Common Shares O/S

172.6 million

Year Trading Range

\$0.35 - \$0.70

Daily Average Volume

96,856 shares /day (based on last 3 months)

Market Capitalization

C\$105.3 million (as at C\$0.61 on Oct. 11, 2017)

Warrants Outstanding

44.3 million (\$0.50 - \$1.00)

Options

7.56 million (\$0.25 - \$1.40)

Working Capital

C\$20.82 million (as at June 30, 2017)

Sprott Credit Facility

US\$20 million - US\$15 million drawn

Key shareholders

Greenstone Resources LP (30%)
Directors; Insider Associates
Private Banking / High Net Worth
Gold 2000



Key Management Team



FINANCE M&A

Ken Berry (B. Comm.), CEO & Chairman

Co-founder of Northern Vertex Mining Corp. & Kootenay Silver Inc.

Michael Haworth, Director

Senior Partner at Greenstone Resources L.P., Private Equity Fund

David Farrell (LL.P.), Director

Former Managing M & A Director at Endeavour Financial

Tiziano Romagnoli, Advisor

Formerly head of BMO Nesbitt Burns, Geneva; A. G. Becker, NYC; Discovery Finance, Geneva



OPERATIONS

Joseph Bardswich (P. Eng.), Director

Comprehensive experience in all facets of mining including management

Dr. David Stone (PhD., PE), Project Manager

Extensive design and construction experience of heap leach mines

William (Bill) Martinich, Mine Manager

formerly with New Gold, Taseko, Barrick and Placer Dome



TECHNICAL COMMITTEE

Gordon D. Ulrich (M.B.A., P.Eng), Director

Formerly President and CEO of Luscar Ltd., (coal, oil and gas)

Jim McDonald (P.Geo.), Director

CEO & President of Kootenay Silver Inc. Co-founder and Former director of Alamos Gold

**Perry Durning (M.Sc.),
Exploration Advisor**

La Cuesta International

**Bud Hillemeier (M.Sc.),
Exploration Advisor**

La Cuesta International



Corporate Milestones

“Ability to Execute”

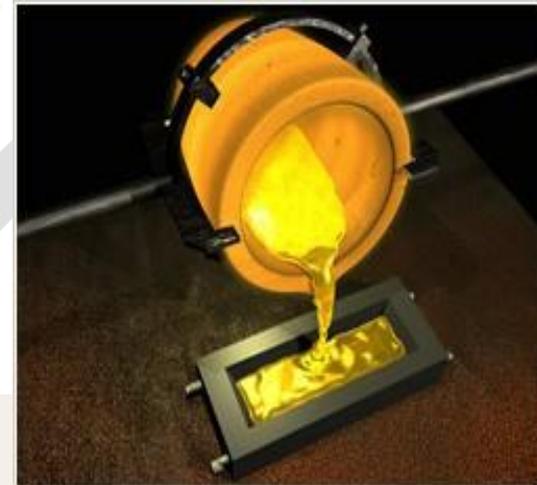
- ✓ Moss Option Agreement
- ✓ 475 Confirmation Drill Holes
- ✓ 43-101 Resource Report
- ✓ Pilot Plant Production
- ✓ Bankable Feasibility Study
- ✓ US\$20M Macquarie T/S

- ✓ 100% interest in Moss Mine
- ✓ US\$20M Sprott Facility
- ✓ Final Permits Received
- ✓ US\$9M CAT Financing
- ✓ US\$20M Greenstone
- ✓ Mine Extension to 10 years

- ✓ Mine Extension
- ✓ Appoint Team
- ☐ Blue-sky Exploration
- ☐ First Gold Pour
- ☐ Powerline Permit

2011 - 2015

2016 - 2017

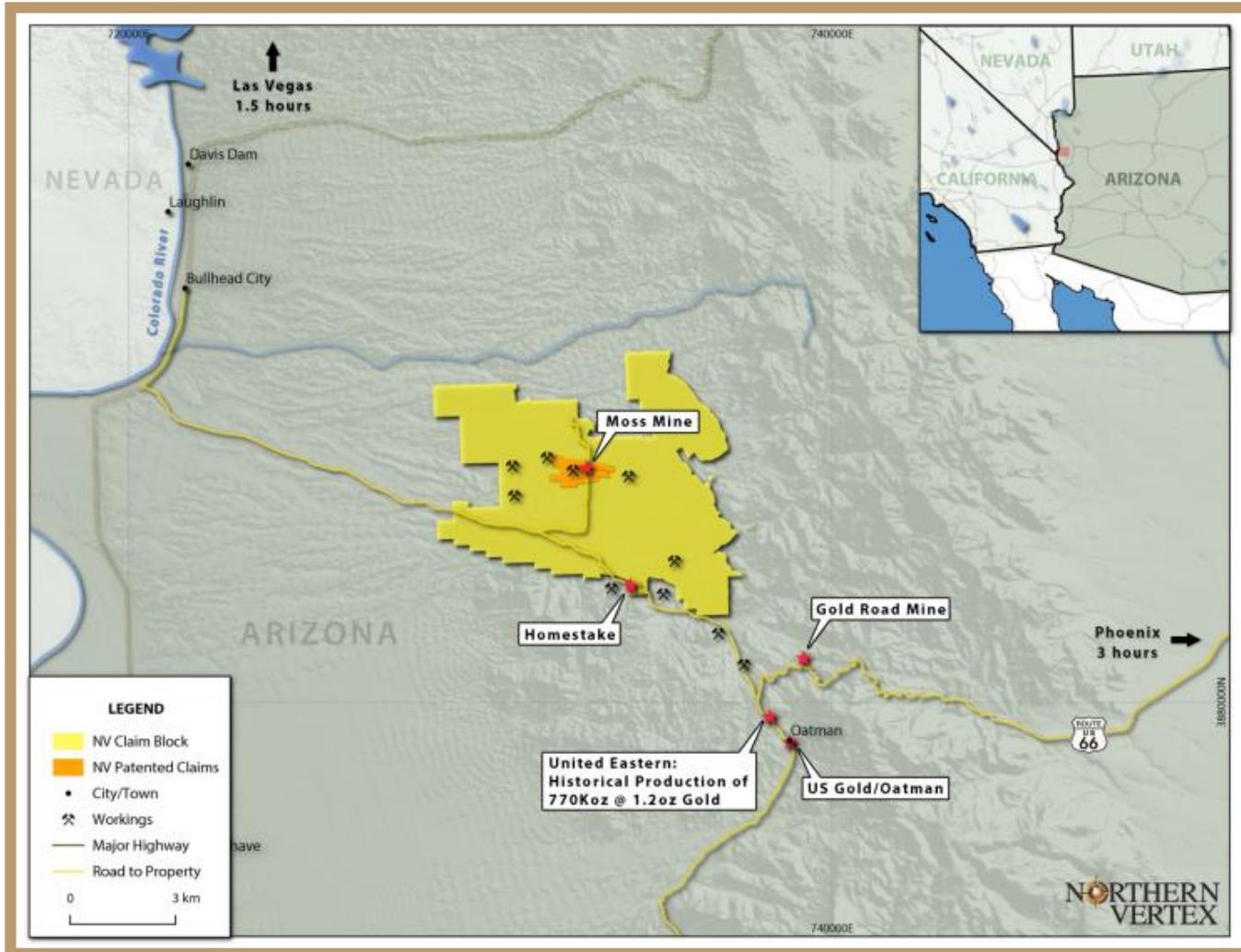


\$98 Million



Excellent Jurisdiction, NW Arizona

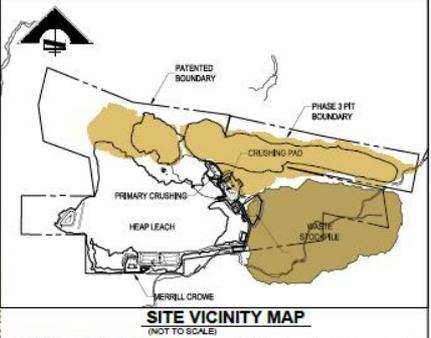
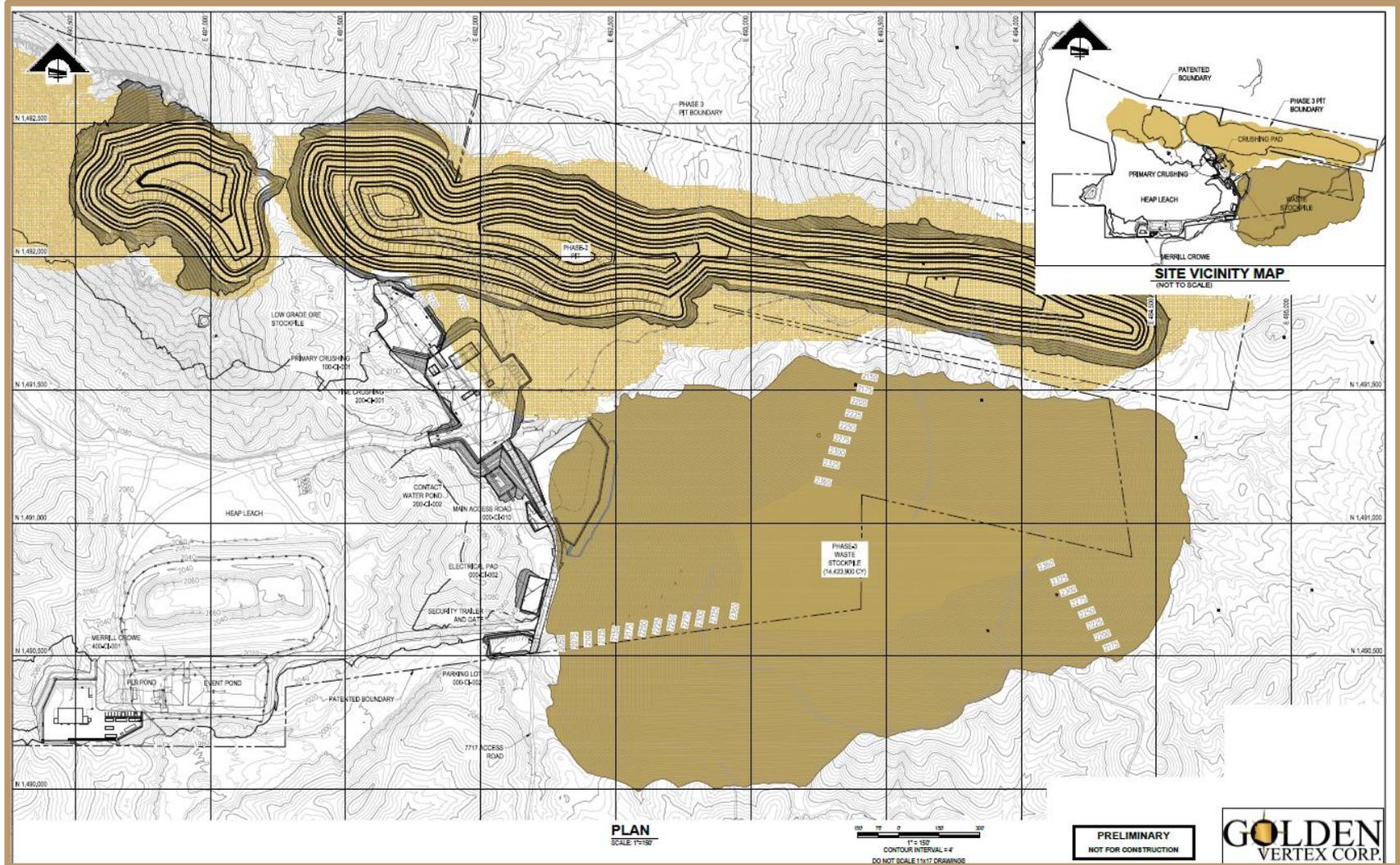
Adjacent to Work Force and Infrastructure





Mine Site Layout

10 Year Mine Life (2017 PEA)



PLAN
SCALE: 1"=30'



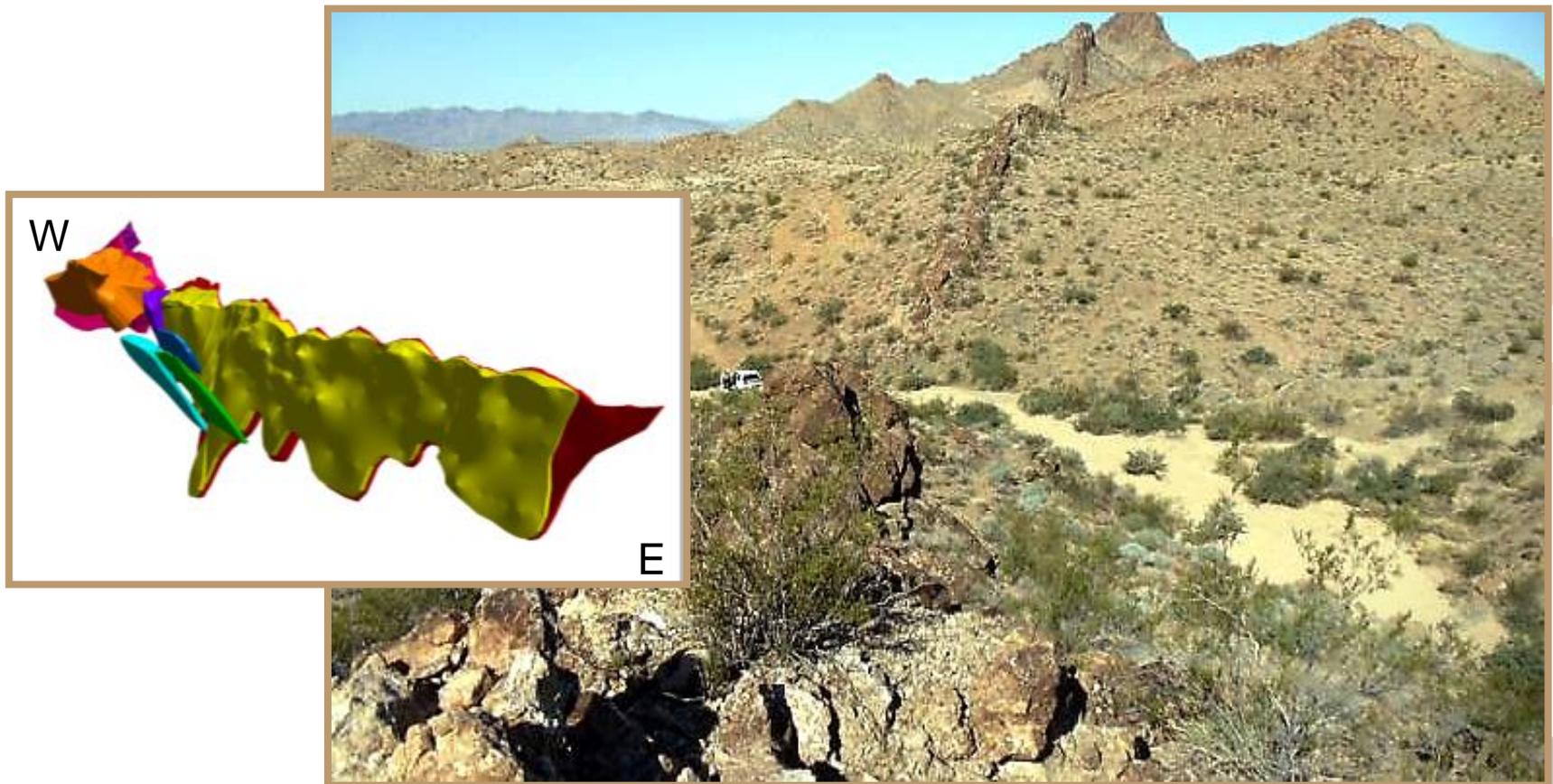
PRELIMINARY
NOT FOR CONSTRUCTION





Moss Mine Gold-Silver Geology

- Uncomplicated Geology
- Gold-silver stock-work, brecciated, low sulphidation, epithermal vein system
- Outcrops at surface for 1,500 metres





Mineral Resources and Reserves

at 0.25 Gold g/t Cut-Off

Resource Category	Tonnes	Au (g/t)	Ag (g/t)	Au (oz)	Ag (oz)	Au Eq (g/t)	Au Eq (oz)
Measured	4,860,000	0.97	10.4	152,000	1,630,000	1.10	172,000
Indicated	10,620,000	0.66	8.7	225,000	2,980,000	0.77	263,000
Measured & Indicated	15,480,000	0.76	9.3	377,000	4,610,000	0.87	435,000
Inferred	2,180,000	0.55	5.6	38,000	390,000	0.62	43,000

NI 43-101 Technical Report Feasibility Study, "Mohave County Arizona" Report by M3 Engineering, Effective date June 8, 2015 calculated the Mineral Resource Estimate within a pit constrained LG pit with maximum slope angles of 65°. Metal prices of \$1,250/oz and \$20/oz were used for gold and silver respectively. Metallurgical recoveries of 82% for gold and 65% for silver were applied. • A 0.25 g/t gold cut-off was estimated based on a total process and G&A operating cost of \$6.97/t of ore mined.

Material	Reserve Category	ROM (MT)	Diluted Au (g/t)	Diluted Ag (g/t)	Contained Au (oz)	Contained Ag (oz)	Diluted AuEq (g/t)	Contained AuEq (oz)
Primary Ore	Proven	4.20	0.95	10.01	128,160	1,352,030	1.07	144,490
	Probable	3.30	0.75	9.20	79,770	976,260	0.86	91,240
	Combined	7.50	0.86	9.66	207,930	2,328,290	0.97	233,900
Low Grade Ore	Proven	0.25	0.22	2.99	1,740	24,070	0.25	2,010
	Probable	0.21	0.22	3.54	1,460	23,920	0.26	1,760
	Combined	0.46	0.22	3.24	3,190	47,980	0.25	3,700
ALL	Combined	7.96	0.82	9.29	211,130	2,376,270	0.93	238,010

NI 43-101 Technical Report Feasibility Study, "Mohave County Arizona" Report by M3 Engineering, Effective date June 8, 2015 calculated the Mineral Reserve Estimate within a pit-constrained LG pit with maximum slope angles of 65°. Metal prices of US\$1,250/oz and US\$18.50/oz were used for gold and silver respectively. Metallurgical recoveries of 82% for gold and 65% for silver were applied. • A variable gold cut-off was estimated based on a mining cost of US\$2.75/t mined, and a total process and G&A operating cost of US\$6.48/t of ore mined. Primary ore is based on a cut-off of 0.25 g/t Au, and low grade ore is based on a cut-off of 0.2 g/t Au. The gold equivalent ("AuEq") formulae, applied for purposes of estimating AuEq grades and ounces, are as follows:

- Factor A (gold) = $1 / 31.10346 \times \text{metallurgical recovery (82\%)} \times \text{smelter recovery (99\%)} \times \text{refinery recovery (99\%)} \times \text{unit Au price (US\$1,250 / oz)}$
- Factor B (silver) = $1 / 31.10346 \times \text{metallurgical recovery (65\%)} \times \text{smelter recovery (98\%)} \times \text{refinery recovery (99\%)} \times \text{unit Ag price (US\$18.50 / oz)}$
- AuEq grade = Au grade + (Ag grade x [Factor B / Factor A])
- AuEq ounces = (AuEq grade x material tonnes)/31.10346

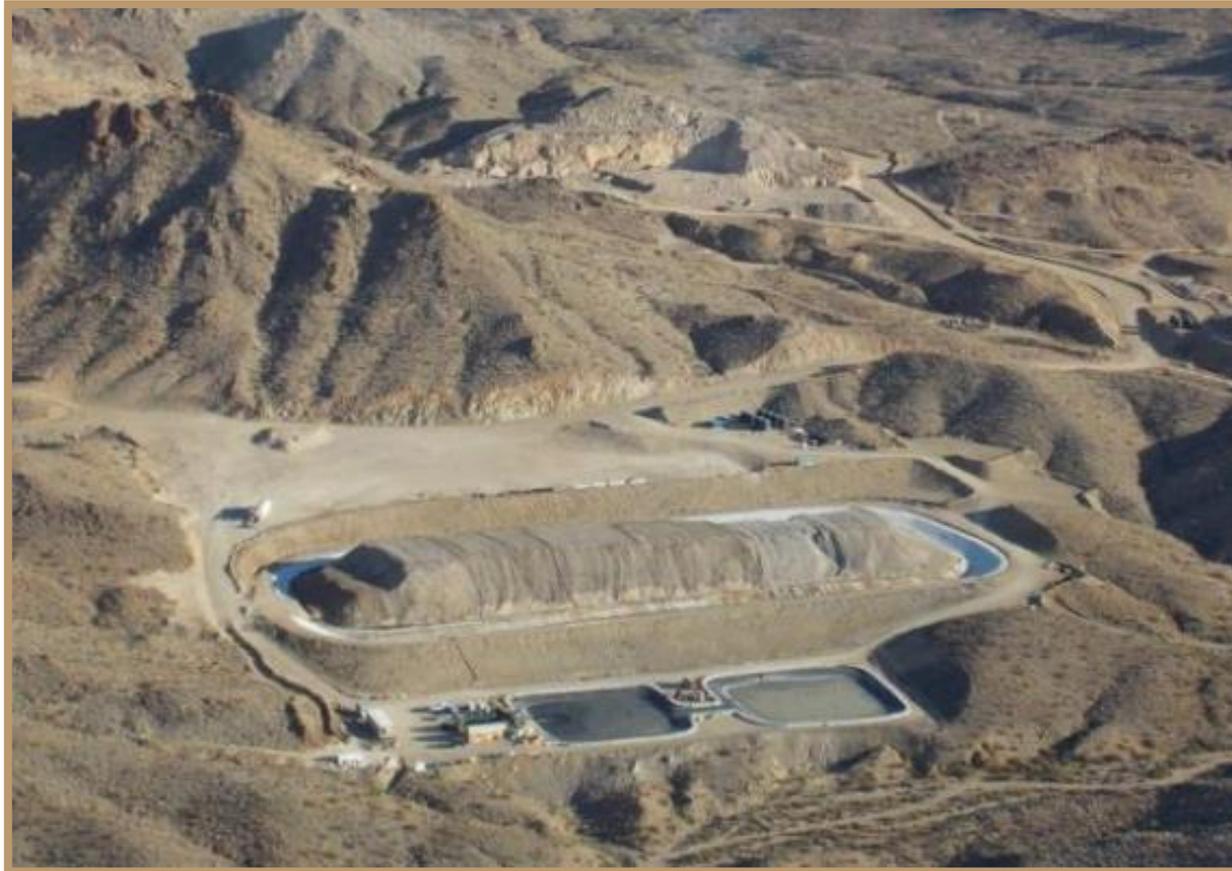


Pilot Plant Technically De-Risked Production

Produced 4,000oz Gold & 20,000oz Silver

Pilot Plant Results:

- Final Gold Recoveries – 82% gold to dore
- Physical & chemical aspects validated
- Cone crushing successfully utilized
- Geotechnical results confirmed design





Mine Life Extension - 2017 PEA Highlights

Base Case at US\$1,250oz Gold

Annual Production	5,500 tpd
Mine Life	10 years
Strip Ratio	1.85 : 1
Average Gold Equivalent (“AuEq”) grade*	0.83 grams per tonne
Recoveries to Doré	Gold 82% and Silver 65%
Gold Equivalent Ounces/yr (Avg. @5,500 tpd)	45,000 oz /yr
Initial Capital Costs (including indirects)	\$61.6 million
Gold Equivalent Cash Cost (@5,000 tpd)	\$527 / oz
All-in Sustaining Costs AuEq*** (LOM)	\$603 / oz
After-Tax NPV (\$1250 Au, 5%)****	\$106 million
After-Tax IRR (\$1250 Au, 5%)****	63%
After-Tax Payback Period	1.8 years

*2017 PEA Gold equivalent ounces of silver calculated by multiplying by 20 and dividing by 1250

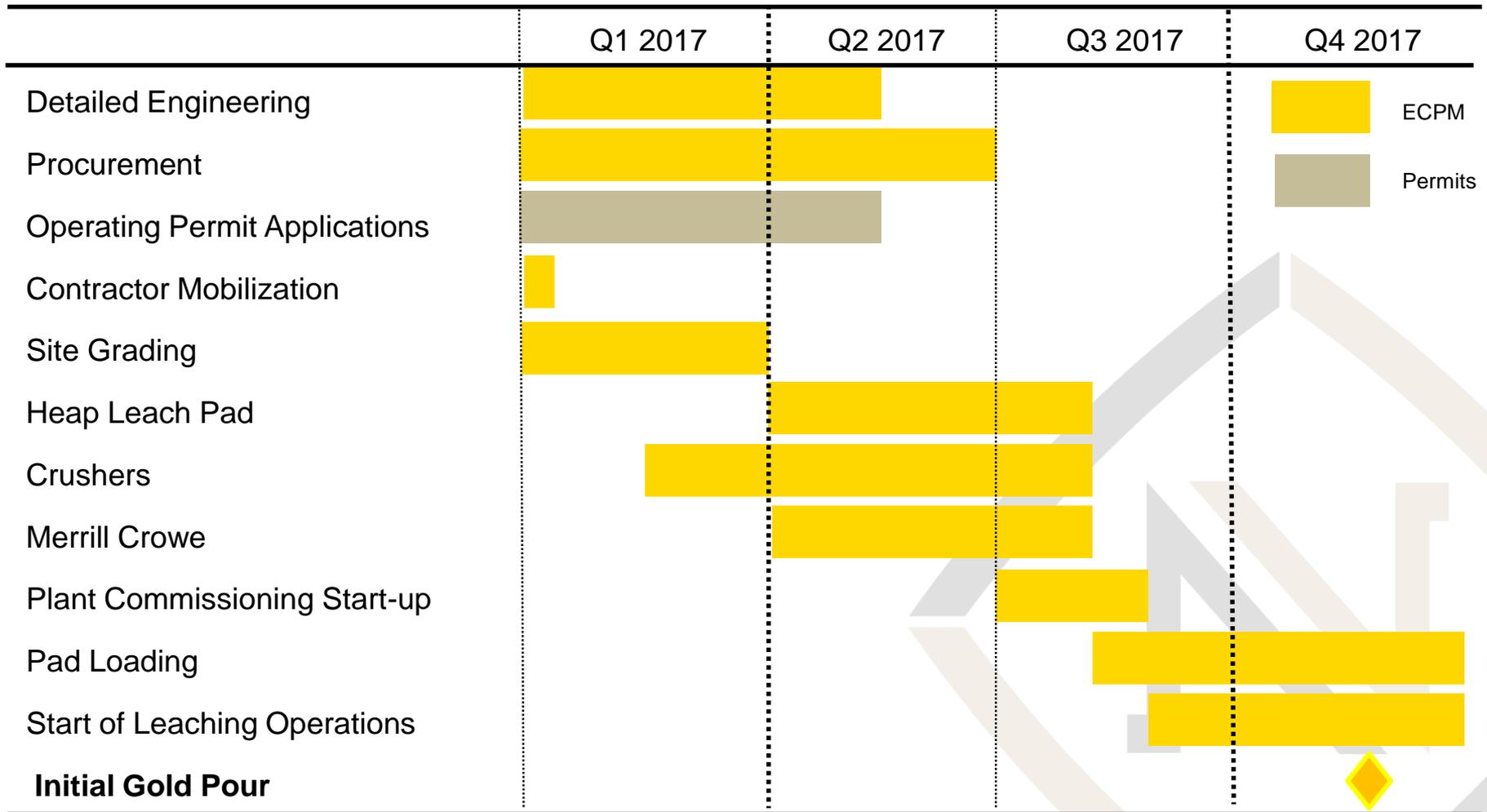
**Includes US\$37.5 million of previously funded Phase II committed costs.

***All-in Sustaining Costs (“AISC”) as presented are defined by the World Gold Council (“WGC”) less corporate G&A

**** After tax numbers are prior to the application of the Company’s significant existing tax pools.



Moss Mine Construction Schedule





Construction Update

On Schedule For First Gold Pour Q4 2017

- Crushing Plant Assembled
- Heap Leach Pad to be Loaded in 2 Weeks
- Electrical and Commissioning Underway





Crushing Plant





Heap Leach Pad Ready to Receive Ore





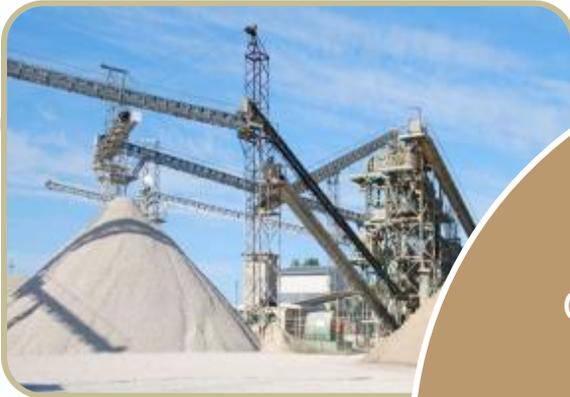
Merrill Facility Operational by November





NEE Powerline

Mine Optimization



Aggregate Supply



Roadway Maintained

Significant
Operational
Savings

Boosts
After-Tax
IRR



Sale of
Waste Rock

Improved
Infrastructure



Job Creation



Reduced Emissions



Award Winning Exploration Team

“Target 1M+ oz Gold Silver Resource at Moss”

Bud Hillemeier & Perry Durning - *Multi Million Oz Discoveries...*

- **San Sebastian Gold/Silver Mine** - 70M Silver EqOz (production)
- **San Agustin Gold Mine** - 850K oz Gold and 28.26Moz Silver (production)
- **Pitarrilla Silver Deposit** - 526Moz M&I Silver
- **Camino Rojo Gold Discovery** - 7.5Moz Gold & 64.7Moz of Silver
- **Los Gatos Mine** - 178Moz M&I Silver Eq (602 g/t AgEq) & 47Moz Inf. (405 g/t Ag Eq.)

Received the Thayer Lindsley International Mineral Discoveries Award in 2010

Bud & Perry Launch Aggressive Blue-Sky Exploration Program:

- Proprietary Resource Data Bank of the Oatman Mining District
- \$10M+ exploration program for gold expansion of Moss Mine Project



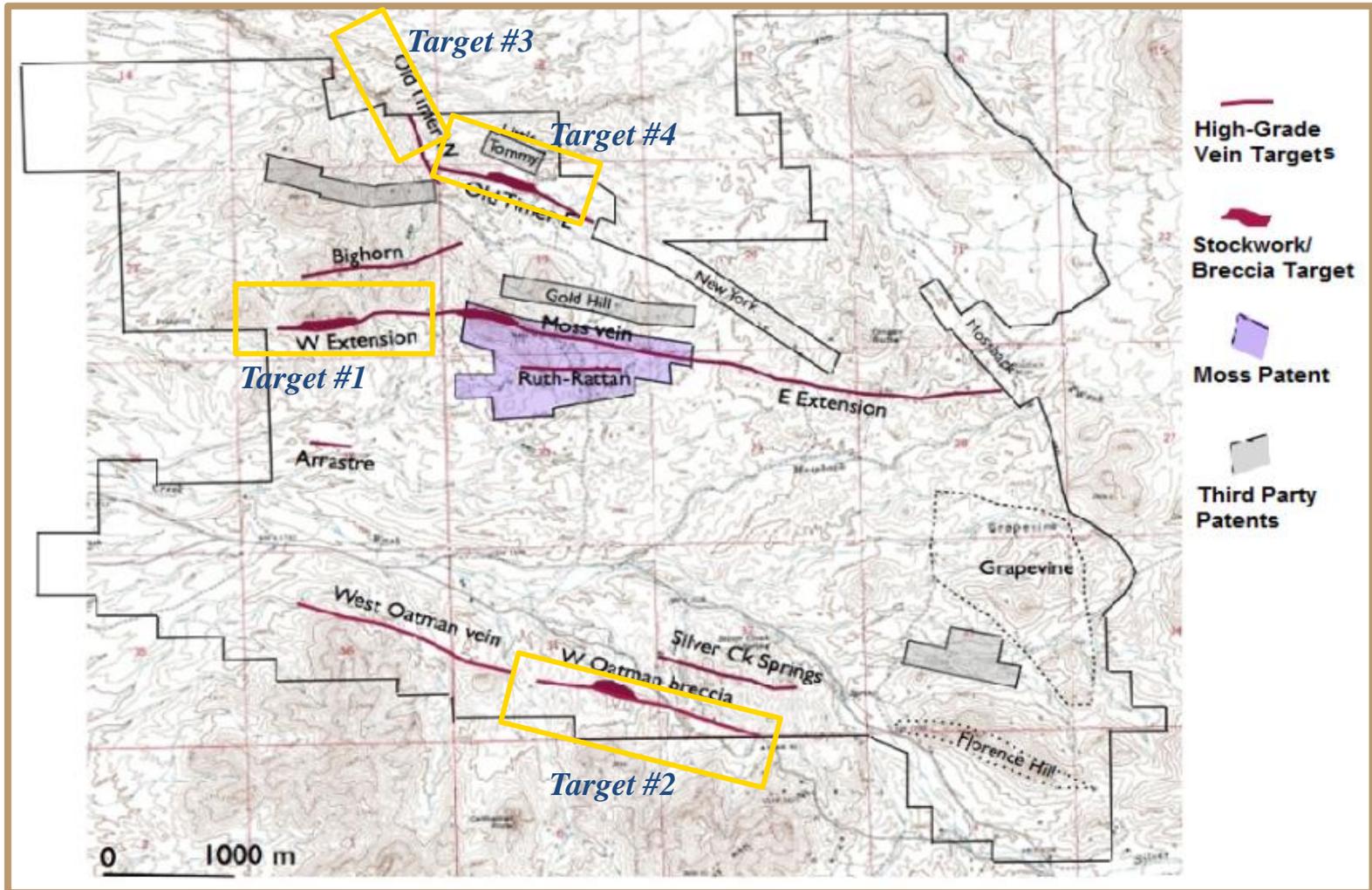
Oatman District Exploration Potential

Multiple Targets for Satellite Deposits & New Discoveries

- Oatman District produced more than 2.5Moz gold
- Untested drill ready targets (High-grade & Bulk tonnage)
- Moss has 1500m strike with 3Kms untested strike and dip potential
- 200+ Historic showings across Moss
- United Eastern Mine contained 770,000 oz grading 1.12 opt gold over 130 m strike length



Blue-Sky Exploration - Oatman District



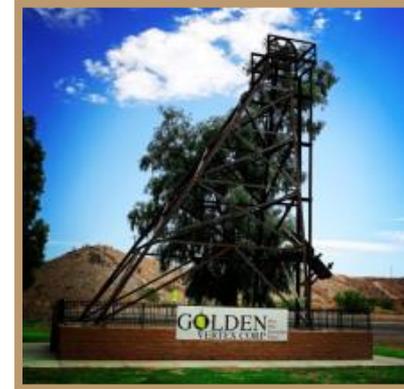


Corporate & Social Initiatives



Official Opening/Ribbon Cutting Ceremony of Moss Mine Reactivation Project Pilot Plant, Bullhead City, AZ August 14, 2013

(Left side) Honorable Janice K. Brewer, Arizona Governor



Relocation of the Moss Mine Historical Headframe

Northern Vertex, through its US subsidiary, Golden Vertex, is endeavoring to be an organization recognized for its safety culture, community commitment, Tribal involvement, educational enhancement, open communication culture and transparency that will create a legacy for the stakeholders in the Bullhead City area for many years to come.



Northern Vertex's Senior Mine Geologist, Sarah Clark speaking to students at Laughlin High school

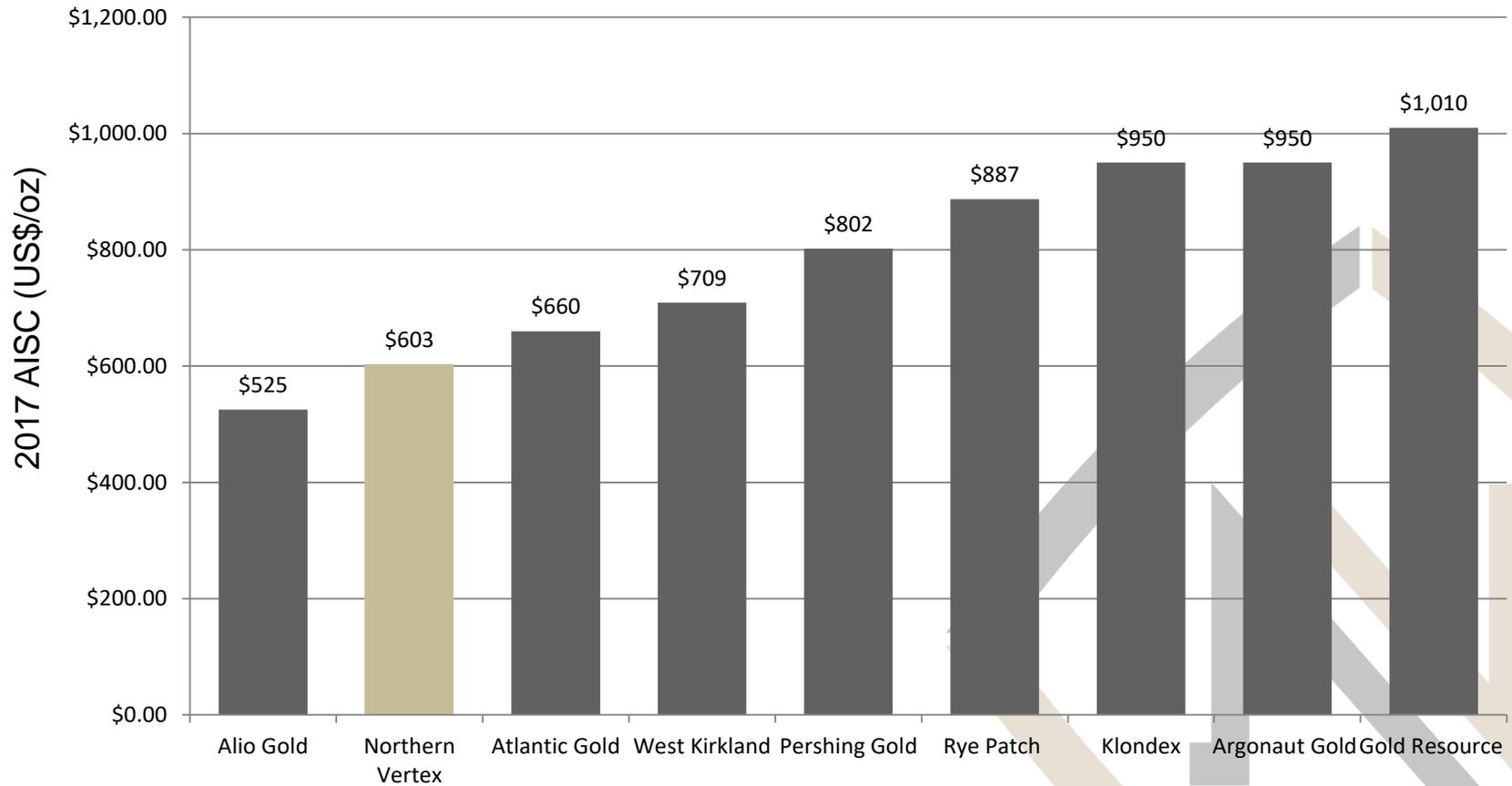


Relocation of the Lil' Red Schoolhouse to the Community Park, Bullhead City, AZ



ASIC Comparisons

Peer Developers and Producers

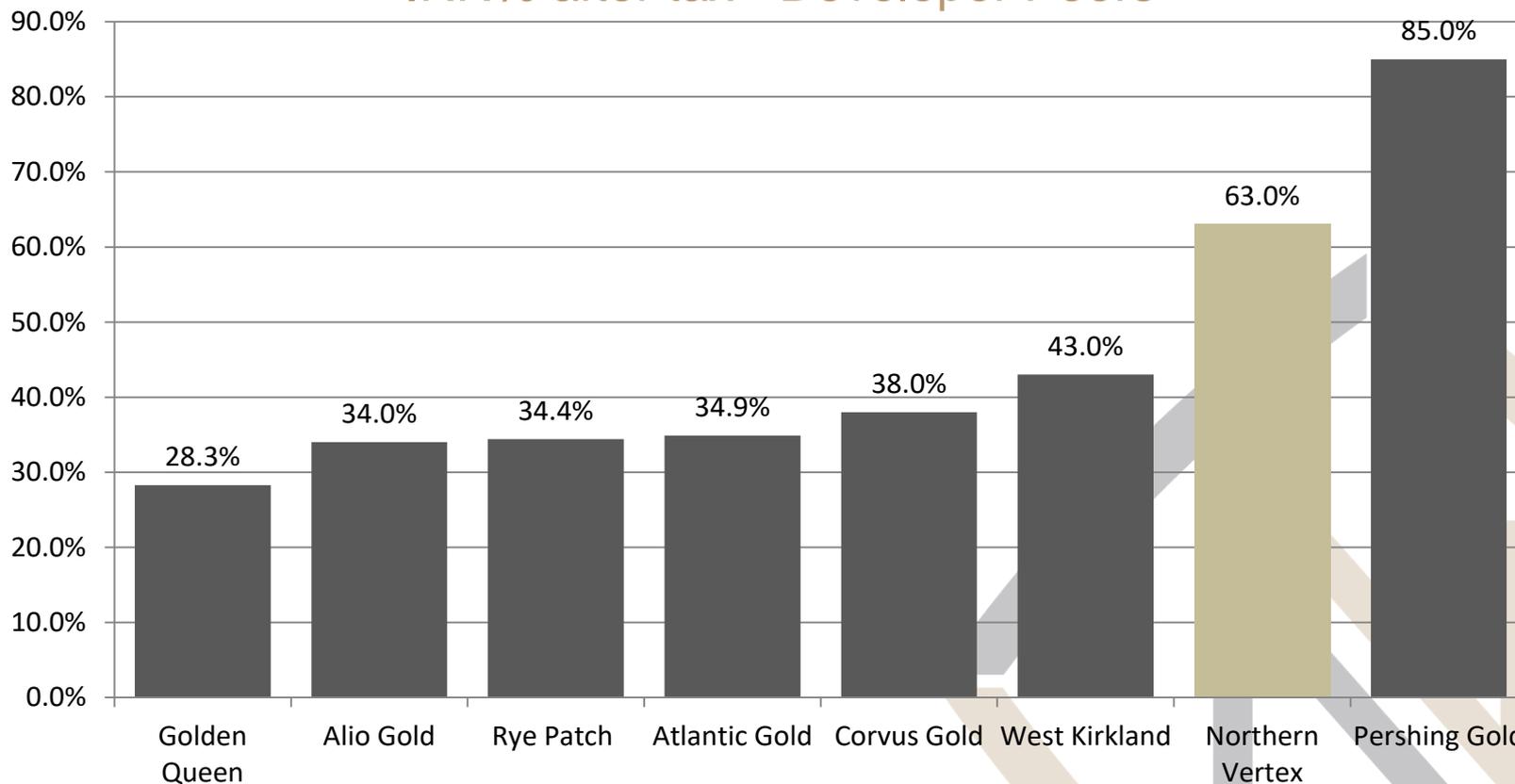


Source: Company Reports
Note: Northern Vertex metrics based on 2017 PEA (gold @ \$1,250oz)



IRR Comparisons

IRR% after tax - Developer Peers



Source: Company Reports

Notes: Golden Queen metrics based on 2015 FS (gold @ \$1,250oz); Alio Gold metrics based 2017 PFS (gold @ \$1,350oz); Rye Patch metrics based 2016 PEA (gold @ \$1,150oz); Atlantic Gold metrics based 2015 FS (gold @ \$1,200oz); Corvus Gold metrics based 2015 PEA (gold @ \$1,200oz); West Kirkland metrics based 2016 FS (gold @ \$1,250oz); Northern Vertex metrics based on 2017 PEA (gold @ \$1,250oz); Pershing Metrics based on 2017 PFS (gold @ \$1,250oz)



Upcoming Milestones – Catalysts

- ✓ **Strengthen Operational Team**
 - Process Manager/ Crusher Operator

- ❑ **First Gold Pour – Cash Flow**
 - Substantial cash flow to invest in expansion and growth

- ❑ **Launch Bud & Perry Exploration Program**
 - Expand production and extend life of mine

- ❑ **Powerline Implementation**
 - Significant cost savings potential to increase project value

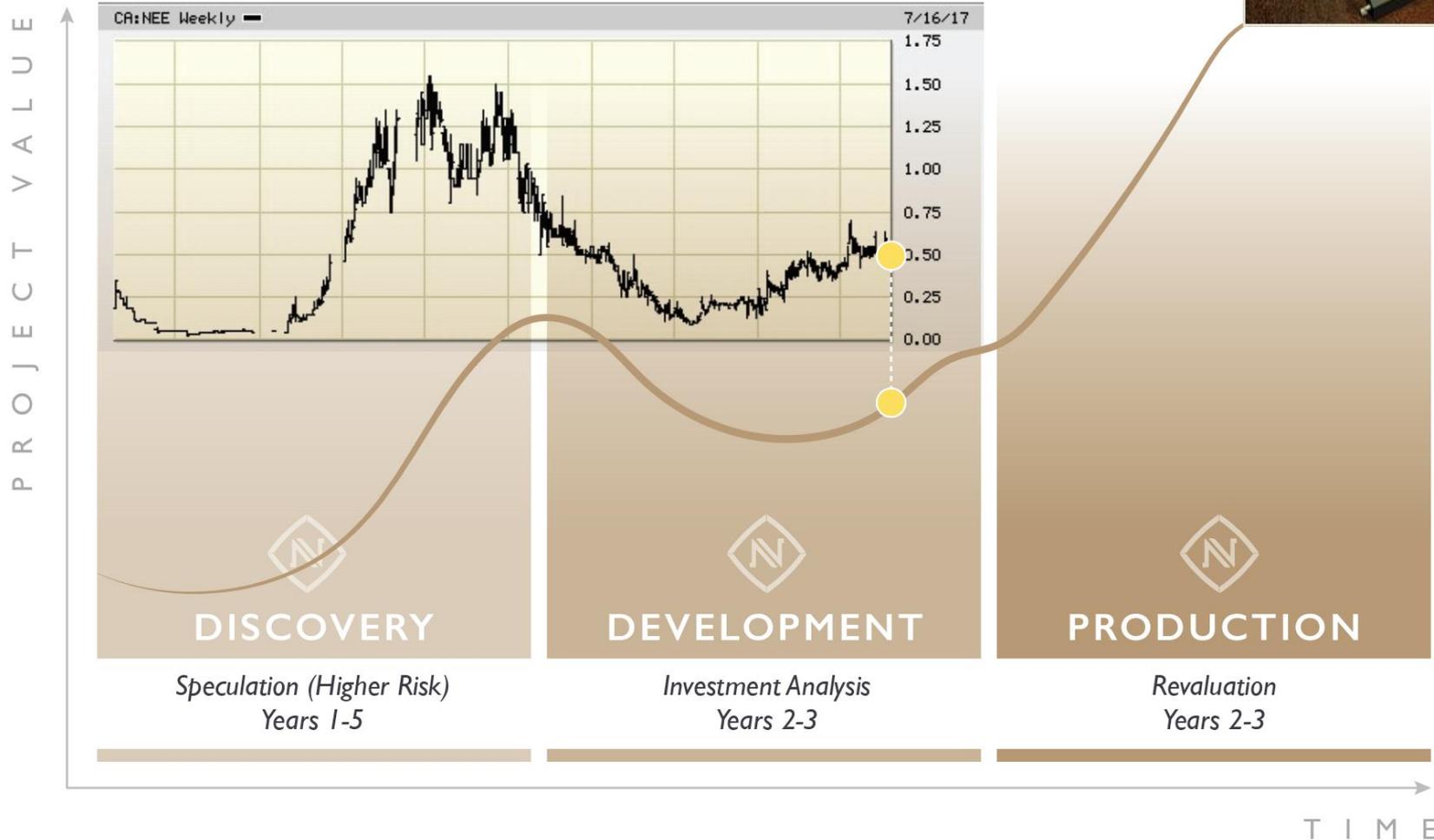
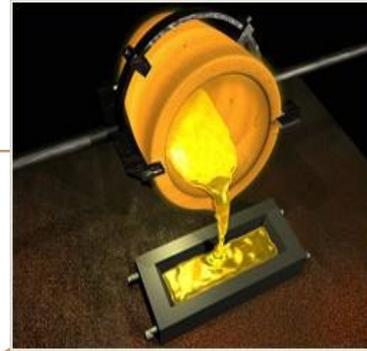
- ❑ **US Consolidation Strategy**
 - Immediate expansion and value proposition

- ❑ **Aggregate Sales**
 - Sale and distribution of aggregates provide income stream



Mine Development Cycle

and NEE Share Performance





Northern Vertex Highlights

- **Financially and Technically De-risked**
- **Robust Economics** - 63% IRR (after tax); 133M NPV
- **First Gold Pour In Q4 2017**
- **Blue-Sky Exploration** - Targeting 1M+ Oz Gold
- **Positioned for US Consolidation**

“Next Producing Gold Mine in the USA”



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