

## INVESTMENT HIGHLIGHTS

- 89 million shares outstanding
- \$1.0 million cash, no debt
- Ranked 2nd best performing mining company in 2018 on TSX-V Exchange
- Exceptional Team: An assembled team of seasoned, respected and successful gold deposit discoverers, mine builders and mine operators
- Two stacked mineralized systems on same property - one gold, one vanadium
- North America's largest highest-grade primary Vanadium resource at surface
- Large gold system supported by drilling and IP in same rocks as big mines on Carlin Trend



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## CARLIN GOLD VANADIUM PROJECT-NEVADA

### LARGE-SCALE CARLIN-TYPE GOLD SYSTEM DISCOVERED BELOW NORTH AMERICA'S LARGEST HIGHEST GRADE PRIMARY VANADIUM RESOURCE

#### ■ ABOUT US - WHY PHENOM IS UNIQUE

##### EXCEPTIONAL PEOPLE – PROJECT – SHARE STRUCTURE

- Strategic exploration Company with a high-caliber large scale gold target and large high-grade primary Vanadium resource in the prestigious Carlin Gold Trend of Nevada
- Our team is exceptional: An assembled team of seasoned, respected and successful explorers, mine builders and mine operators (over 450 years combined) motivated to make a gold discovery and advance the vanadium resource
- With geologists who have made multiple gold deposit discoveries in their careers (10 in total); 6 in Nevada nearby our project
- Project located in State of Nevada, U.S.A. – an established mining jurisdiction with unparalleled infrastructure
- Project within Carlin Gold Trend – one of the world's most desirable, favourable and prolific gold trends

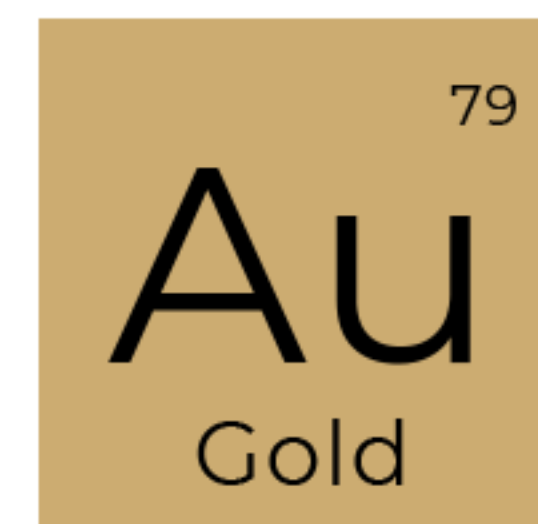
##### GOLD SIDE

- Targeting a high-grade Carlin-type gold deposit discovery below the vanadium resource
- Guided by Nevada gold expert and mine finder Dave Mathewson
- 9Moz Au in multiple deposits close by (3-9 miles away)
- Large Carlin gold system (>6.5km long x 0.5km wide; >4 miles long x 0.3 mile wide) defined by drilling and IP within favourable host rock

##### VANADIUM SIDE

- Project contains North America's largest and highest grade primary Vanadium resource
- Near-surface resource with 80% Indicated category Preliminary Economic Assessment (PEA) completed June 2020
- Strengthening vanadium prices from strengthening demand in large scale battery market

#### ■ THE OPPORTUNITY: OPTIONALITY - GOLD AND VANADIUM



**Gold Exploration Pipeline:** A legitimate and rational shot at a high-grade Carlin-type gold deposit discovery in the Carlin Gold Trend during the start of a strong gold market, backed by good science and respected gold-deposit discoverers; significant exploration discoveries produce high returns for investors; premiums placed on projects in Carlin Gold Trend.



##### **Advanced stage PEA level vanadium resource underpins asset base**

Vanadium is a high demand, strategic mineral critical to industries ranging from steel to utility scale batteries. Will be an integral part of the sustainable clean energy global wave of our near term future.

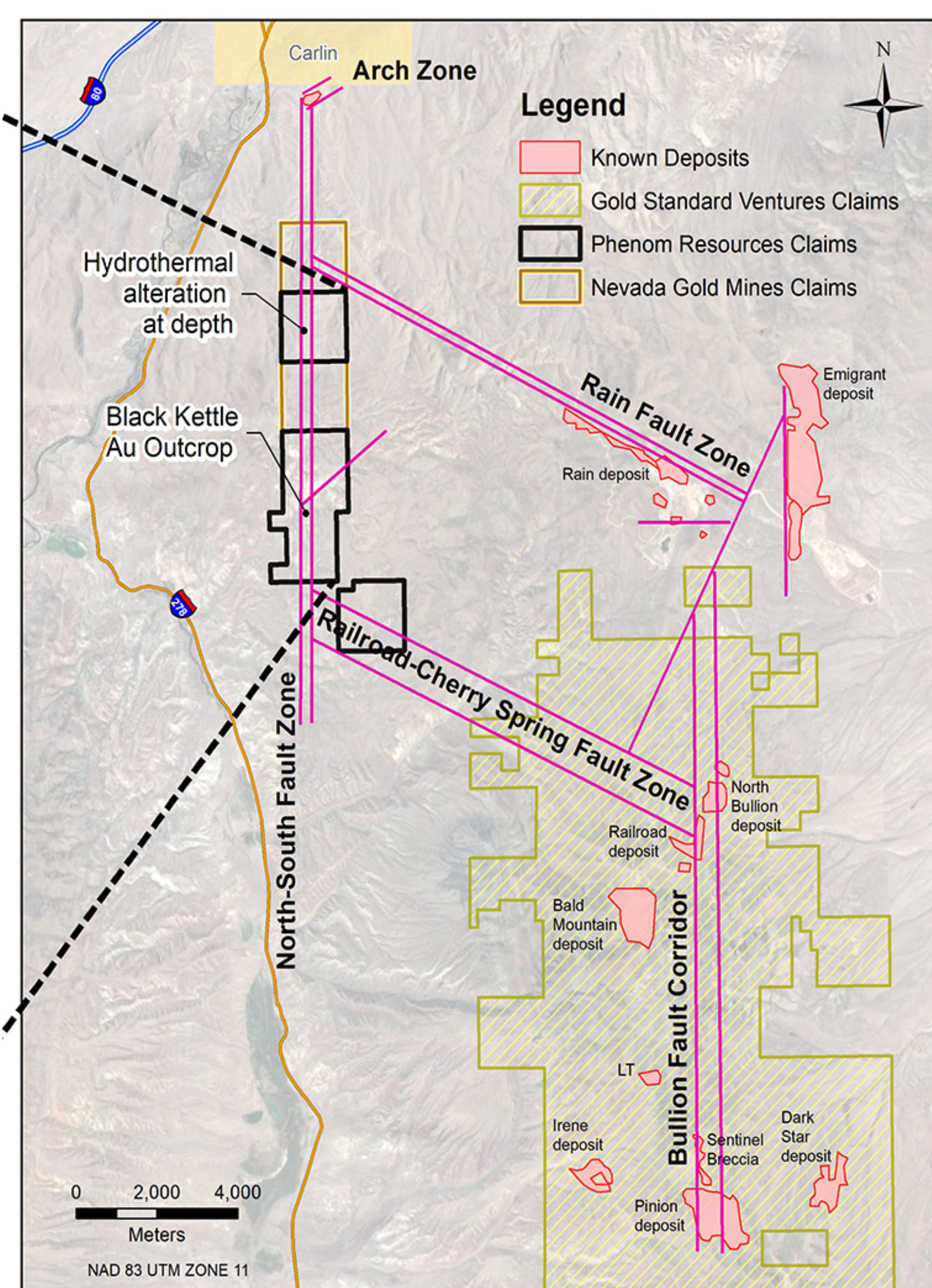
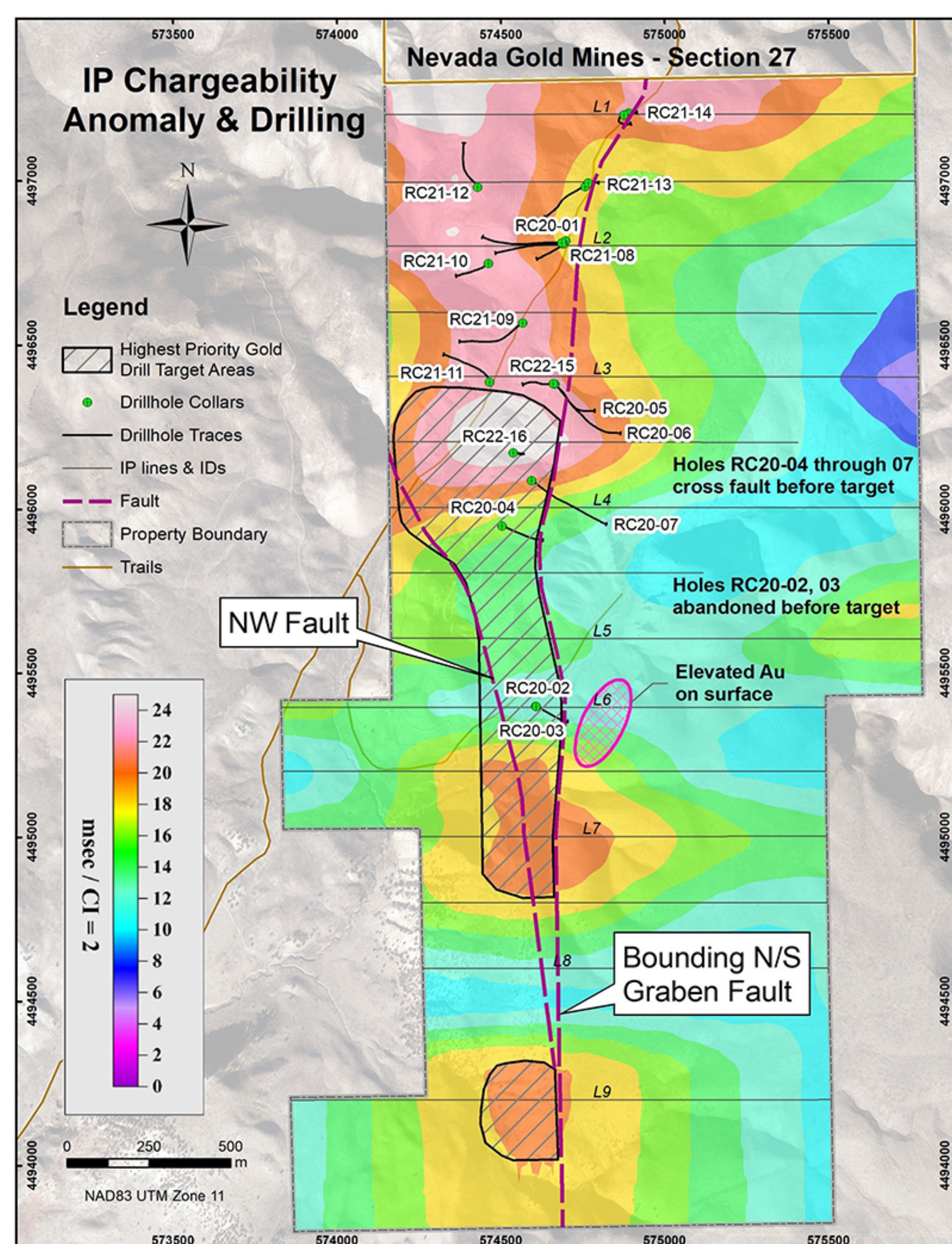
#### ■ GREAT LOCATION WITH STRONG INFRASTRUCTURE



- 🚗 Easy road access - 6 miles south of Carlin, Nevada
- 🚂 Carlin is major rail hub serving both coasts
- ⌚ 40 minutes drive from Elko, Nevada
- ⚡ Powerline (5 miles)
- ✈️ Nearby workforce, mining vendors, service companies and airport (Elko)
- 🚚 Easy truckin distance to massive processing plant (13 miles away)



## HI GRADE AU TARGET



### All Necessary Ingredients Present to Make a Significant Discovery

Carlin Au Trend has delivered and will continue to deliver exceptional gold deposits and mines

9Moz Au in multiple deposits within 3-9 miles of property

The 3 key structures in Carlin Au Trend plumbing system that host deposits (NW, N/S, NE) are present

Large Gravity anomaly similar to signature along Rain and Emigrant Structures hosting >6Moz Au, present

Au mineralization and large scale (>6.5km long x 0.5km wide; >4 miles long x 0.3 mile wide) alteration system, present

Average drill intercept, 500m long (1640') of low-grade gold

Drilling confirms system within the same rocks as the big mines on Carlin Trend like Gold Quarry; lower plate Rodeo Creek and Popovich Fm

Many features analogous to Gold Quarry mine (+40 million ounces) according to Dave Mathewson

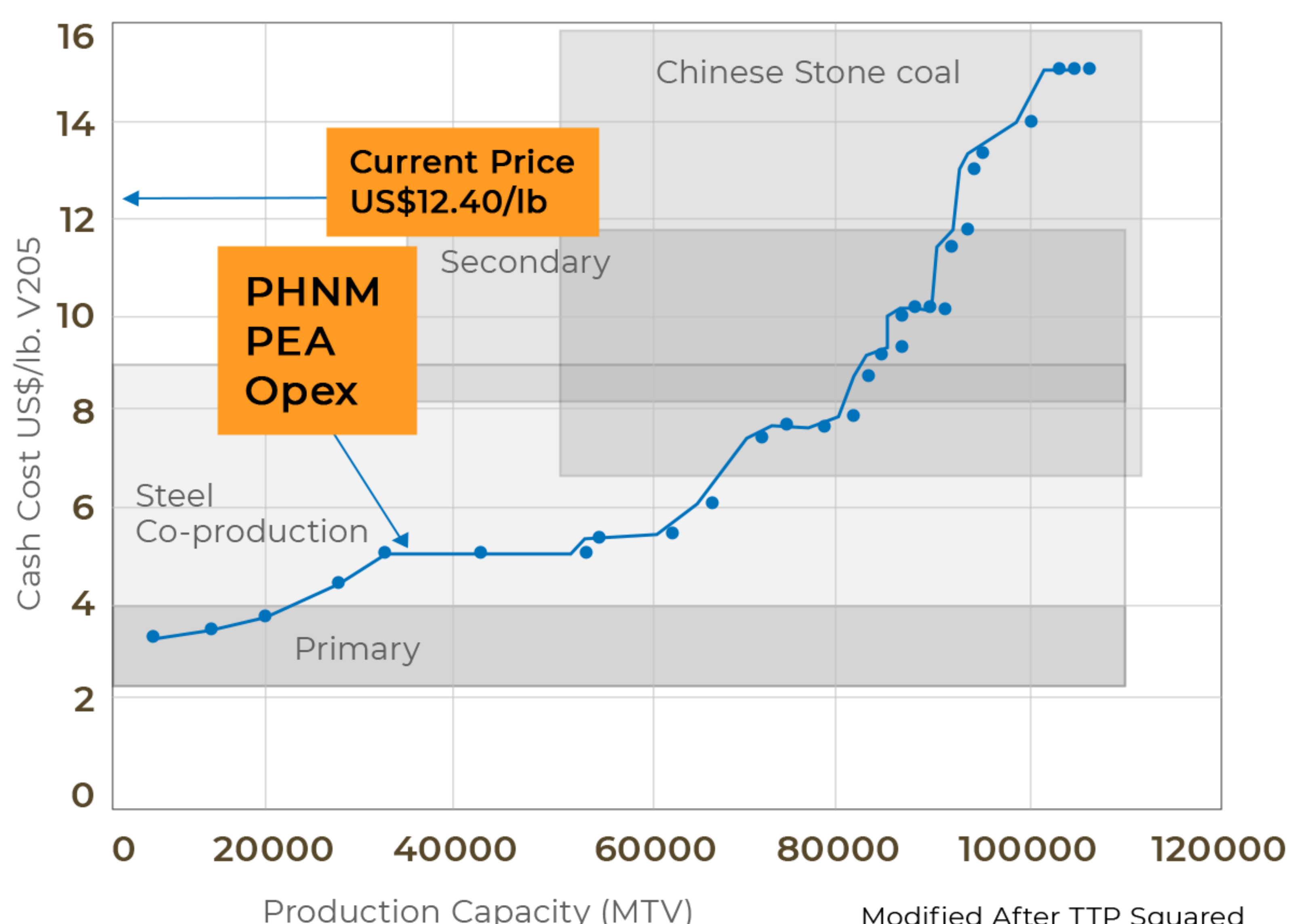
Flagship Property in southern part of Carlin Gold Trend; regional-scale context (left); Property-scale context (right)

## THE VANADIUM ASSET

- North America's largest, highest grade primary Vanadium resource
- Maiden Vanadium Resource Feb 2019 (80% Indicated)
- Large Vanadium deposit - 35m(115') thick, 1800m (6,000') long by 600m(2,000')
- Flat to shallow dipping
- Near surface (0-60m;0-200') deposit amenable to open pit mining
- Significant opportunities to expand the size of the deposit
- Open pit 16 year mine plan - June 2020 PEA
- Lower quartile Opex forecast - lower cost producers will succeed
- Multiple opportunities to lower Capex and Opex

(TSXV: PHNM (OTCQX®: PHNMF) (FSE: 1PY)

## FORECAST 2019 V205 CASH COST CURVE FOR VANADIUM PRODUCERS AROUND THE WORLD



## THE IMPORTANCE OF VANADIUM TO THE ENERGY



VANADIUM is the Mineral of Choice for Next Generation of Battery Storage Technology and Renewable Energy Applications.



Vanadium is a third the cost of lithium energy storage and batteries



Vanadium has major lifecycle advantages over Lithium Ion lasting 25+ years Vs. 5 years for Lithium Ion

- Demand for renewable energy is growing at a record pace. The need for utility-scale energy storage has never been more crucial, in use to Power Companies (peak load shift), marine vessels and wind and solar farms. Current boom in solar + battery storage projects world-wide.
- At least 5 reported fires with lithium ion batteries in power projects - reports of lithium ion batteries underperforming to reduce risks of fire.
- Steep increase in lithium prices since Sept. 2021 outprices itself as a competitor in the global market for stationary storage.
- The multi-billion/year stationary battery market is projected to grow nearly twenty-fold by 2030.
- Over the next two years, USA is projected to become the largest global market for stationary storage.
- Vanadium prices are rising, driven by higher demand in stationary storage battery deployment globally.
- Vanadium is classified by the USA as a critical mineral for Homeland Security; 75% of global production of Vanadium comes from China and Russia.