

March 2019 Quarter Results

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PENINSULA
ENERGY LIMITED

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Please note that Production Targets within this presentation are based on a proportion of inferred resources. There is a low level of geological confidence associated with inferred mineral resources and there is no certainty that further exploration work will result in the determination of indicated mineral resource or that the production target itself will be realised.

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- **Highlights of the Quarter**

1. **Lance Results and Activities**
2. **Low pH Permitting Approvals**
3. **Low pH Field Demonstration Success**
4. **Quarterly Costs & Cash Flow Analysis**
5. **Uranium Market**
6. **Investment Highlights**



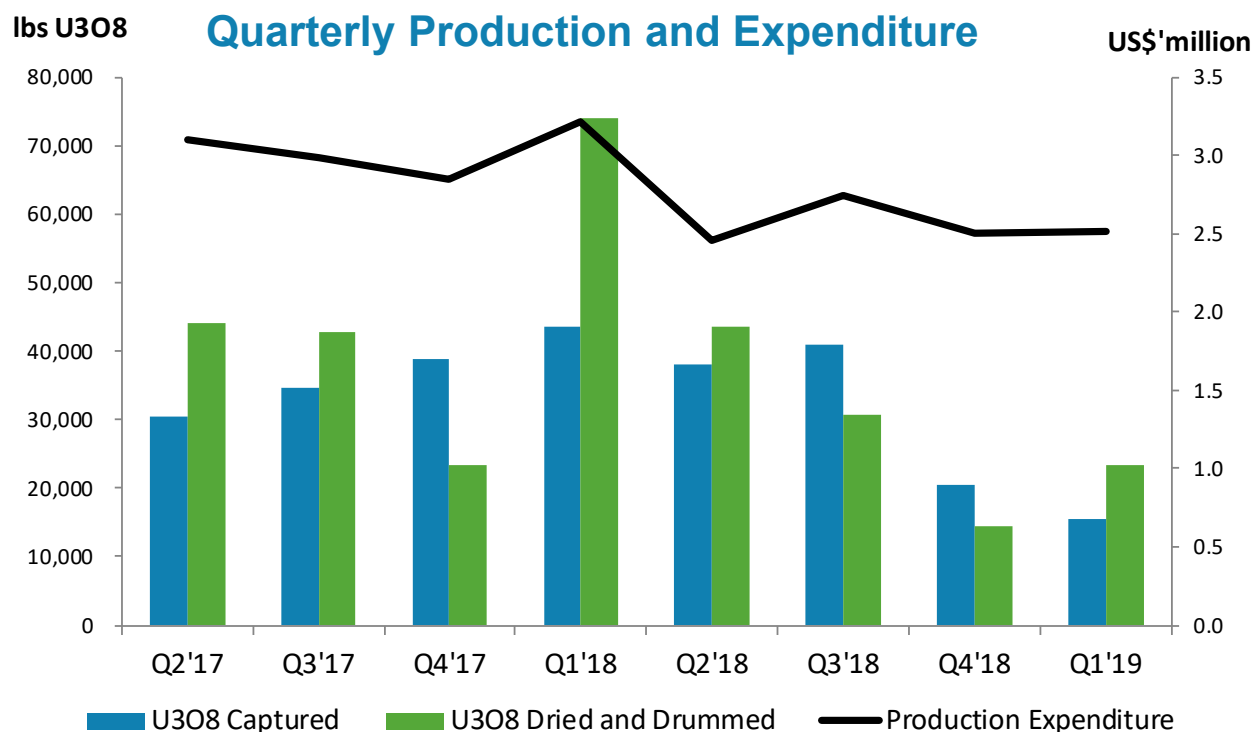
Field Trial Area in MU-1

Mr. Wayne Heili – Managing Director & CEO

Lance – Maintaining Production During Transition

• March Quarter Production

- 15,413 lbs produced in the quarter – injection of alkaline chemicals ceased
- 23,325 lbs dried & drummed in the quarter
- 106,000 lbs U_3O_8 sold on 1 April 2019; US\$3.65m sales proceeds in June quarter
- Controlled production expenditures during transitional period
- Improved toll milling agreement effective from 1 January 2019



- **Permit and License amendments – significant milestones achieved during the March quarter**

Agreement State

- ✓ State of Wyoming has primacy over both Permit to Mine and Source Material and By-product License

Permit to Mine

- ✓ PTM amendment approved in March 2019

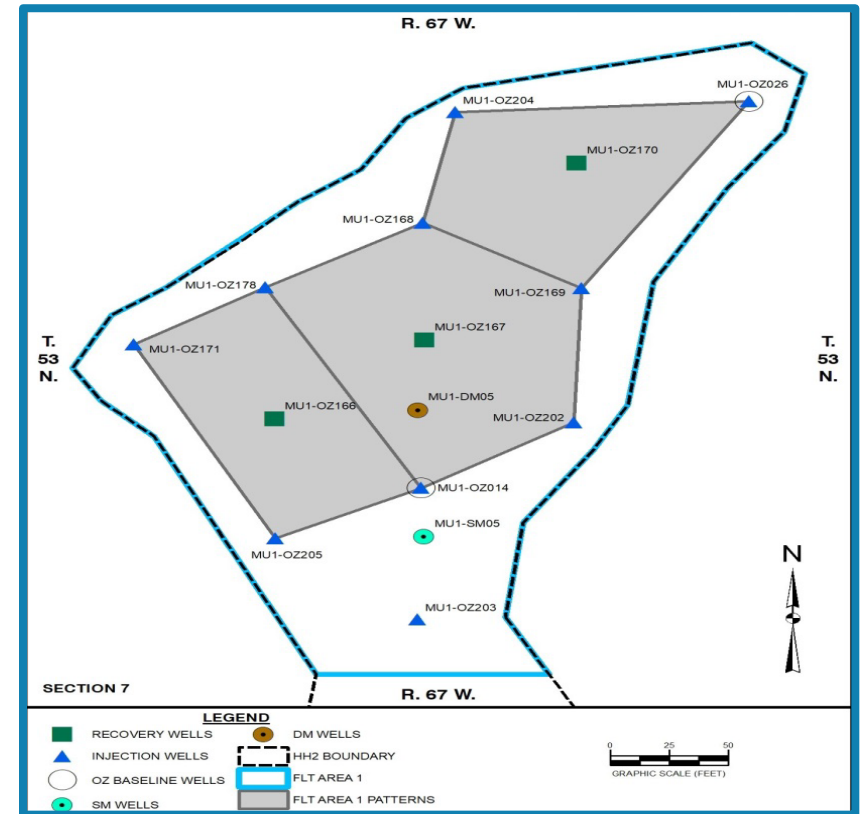
Source Materials License

- ✓ Pre-decisional *State Decision Document* issued on 18 April 2019 (US time)
- ✓ 60 day public comment period is commencing

Low pH Field Demonstration Success

- ***Mining phase successfully completed***
- U_3O_8 head grade tracked ahead of FS parameters during 1st 3 pore volumes
- Flow rates maintained during low pH mining phase
- Initial restoration phase has commenced

Sulfuric Acid Addition Pump



Test Pattern Map (in MU-1)

Quarterly Cost Performance Review

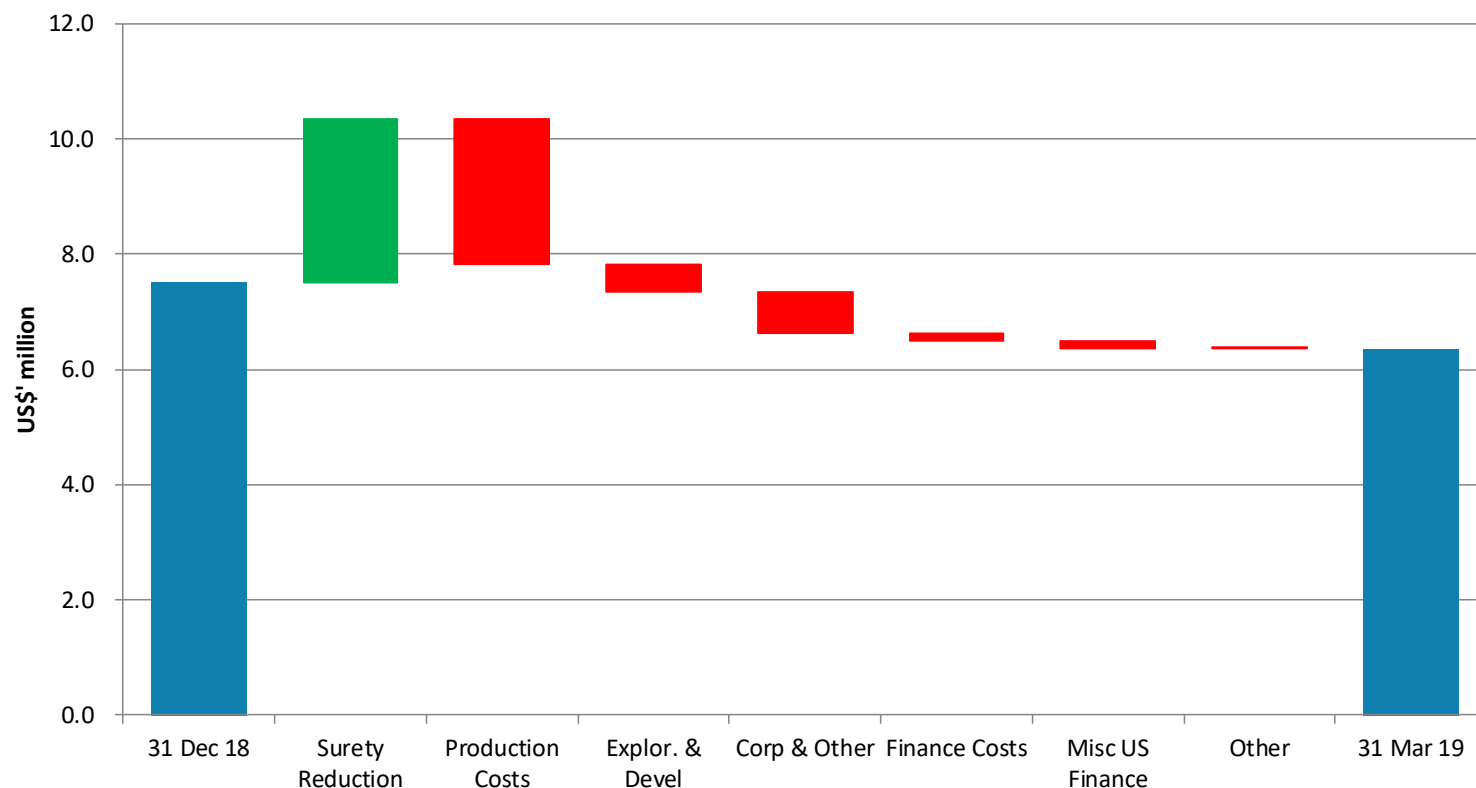
- Spending discipline continues

Payments for: (US\$'000)	Actual Jun Qtr CY18	Actual Sep Qtr CY18	Actual Dec Qtr CY18	Actual Mar Qtr CY19	F'cast Jun Qtr CY19
Exploration & Evaluation	197	159	394	31	100
Development & PPE	491	327	432	456	700
Production	2,457	2,739	2,502	2,517	2,200
Sales, Admin & Corporate ⁽¹⁾	381	329	242	324	300
Staff (Corporate)	284	539	331	380	300
	3,810	4,093	3,901	3,708	3,600

- Wellfield low pH conversion activities continued during March quarter
- June quarter forecast includes low pH engineering, ordering of storage tanks and continued wellfield modifications

(1) Excludes payments for uranium purchases, financing charges, debt repayments, US\$3.8m VAT amount remitted in June Quarter and US\$3.0m debt repayment made on 20 April 2018.

Available Cash⁽¹⁾ Balances and Movement



- Outflows for March Qtr lower than forecast
- US\$2.8m surety bond decrease as low pH regulatory and operational risks are reduced
- Sales proceeds of US\$3.65m to be rec'd in June quarter

1) Available Cash excludes amounts placed on deposit to secure guarantees and surety bonds

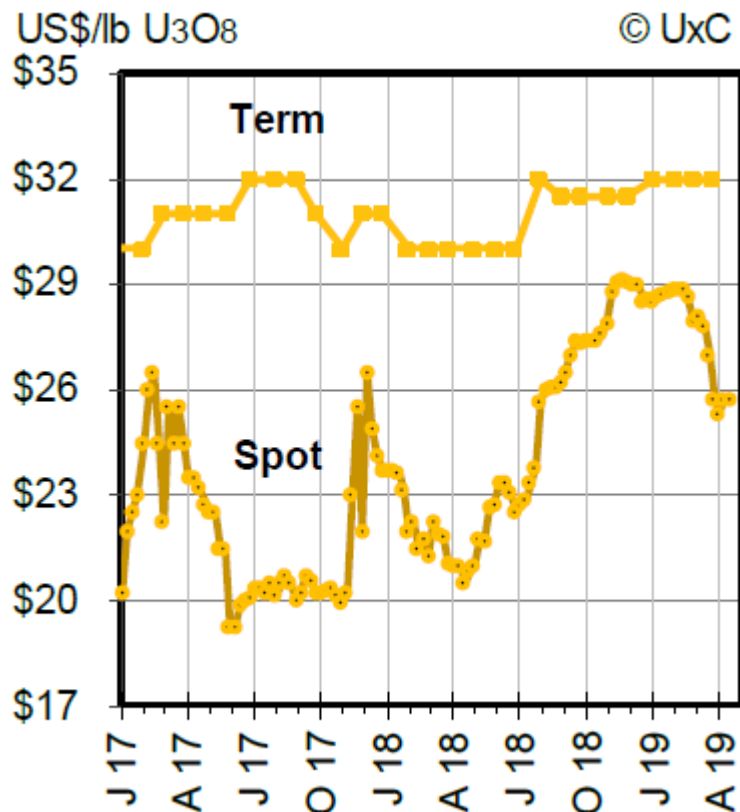
- **The Section 232 Investigation**

- The US Dept of Commerce (DOC) has investigated the adverse national security impacts related to excessive importation of uranium
- The DOC report and recommendations **COMPLETED** on **14 April 2019**
 - The report has not been made public
- President Trump can act on the report **through mid-July** (within 90 days of the DOC report submittal)

- **Strong Case for Pro-active Remedies**

- US uranium production down to 830,000 pounds in 2018, 30% below 2017 and the lowest level since 1949
- US mine production is on track to drop to 382,000 pounds in 2019, which is **less than 1 percent of U.S. annual requirements and not enough to power even a single nuclear reactor**

- The long-term market was in a “wait and see” mode in March 2019 quarter

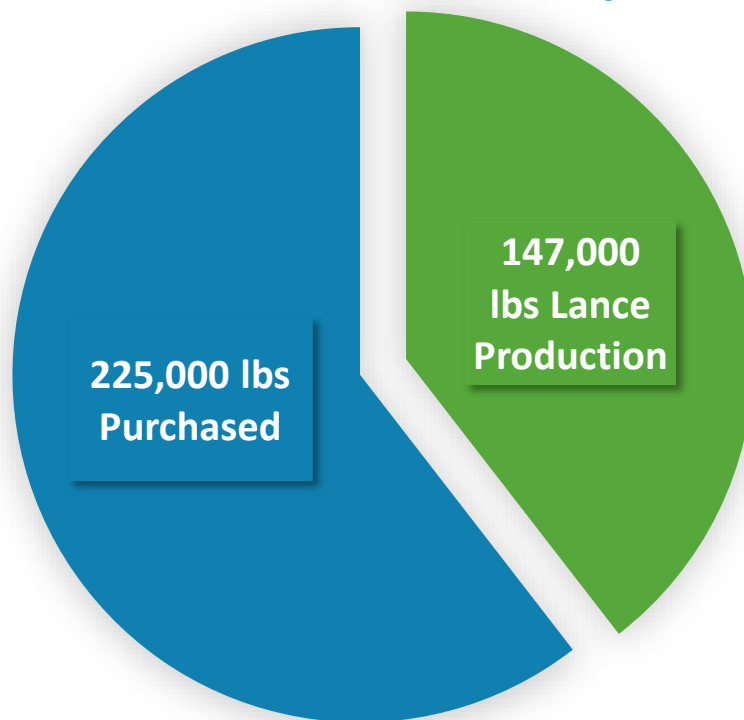


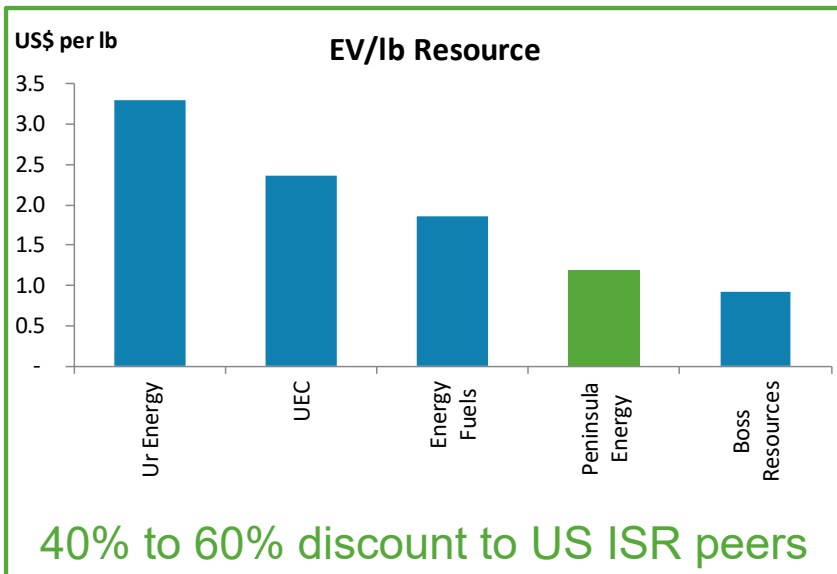
- The spread between the spot & term markets is at historically thin levels
- Spot market up >30% since April-2018
- Spot market volumes at record highs
- Term market volumes correspondingly suppressed
- Both markets current prices are still well below average production costs

Source: UxC, LLC

- CY2018 completed deliveries of 225,000 lbs of U_3O_8
- Deliveries in 2019 and 2020 have flexible origin clauses allowing seller optionality
- Contracted to purchase 225,000 lbs U_3O_8 as needed – fixed purchase prices with average cost of \$23.69/lb U_3O_8
 - No “negative” exposure to rising uranium prices

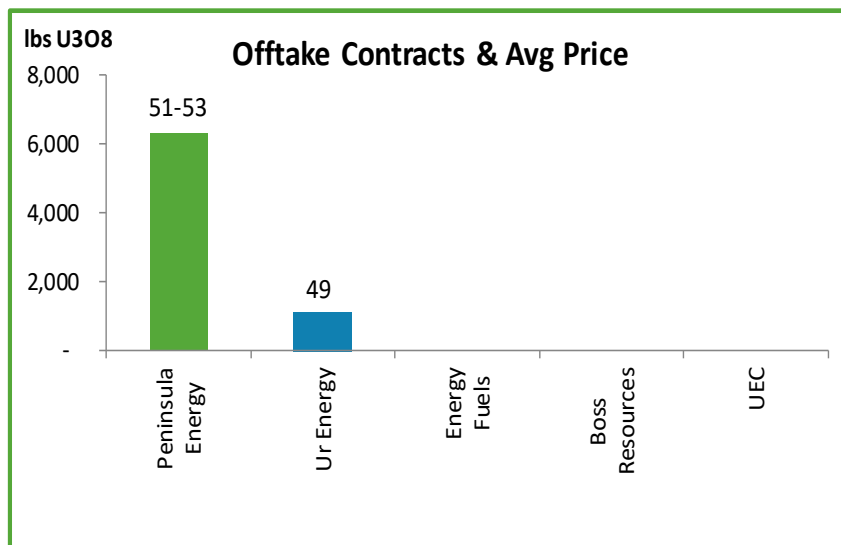
2019-2020 Planned Sales Composition





Imminent share price re-rate events in 2019






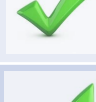


- Completion of low pH Permit amendments
 - First re-rate event occurred with approval of Permit to Mine Amendment
 - Second catalyst pending with Source Materials License Amendment
- News flow from low pH field trials
- US Section 232 decision



Peer group leading revenue base

- Investment grade customer base
- Predictable base revenue
- Substantial leverage to uranium price recovery with only 20% of LOM production under contract

A Prime Uranium Investment Opportunity

Investment Criteria	Peninsula
Active US uranium production asset – with major project transformation in progress	
Long term sales contract protection	
Strong leverage to rising uranium market prices	
Direct exposure to Section 232 outcomes	
Ability to rapidly expand production capacity	
Low current CAPEX requirements	
Experienced technical, commercial & financial team	
Attractive valuation when compared to ISR peers	

Questions & Answers

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FURTHER INFORMATION

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