

Peninsula Energy (PEN)

Rating: Buy | Risk: High | Price Target: \$0.34

9 May 2023

On track for first uranium production from Lance in mid-2023

Key Information	
Current Price (\$ps)	0.16
12m Target Price (\$ps)	0.34
52 Week Range (\$ps)	0.12 - 0.21
Target Price Upside (%)	117.2%
TSR (%)	117.2%
Reporting Currency	AUD
Market Cap (\$m)	195
Sector	Energy
Avg Daily Volume (m)	2.0
ASX 200 Weight (%)	0.01%

Fundamentals

YE 30 Jun (AUD)	FY22A	FY23E	FY24E	FY25E
Sales (\$m)	18	40	38	63
NPAT (\$m)	(6)	(8)	(5)	8
EPS (cps)	(0.4)	(0.7)	(0.4)	0.5
EPS Growth (%)	(64.3%)	(68.2%)	42.7%	237.4%
DPS (cps) (AUD)	0.0	0.0	0.0	0.0
Franking (%)	0%	0%	0%	0%

Ratios

YE 30 Jun	FY22A	FY23E	FY24E	FY25E
P/E (x)	(38.1)	(22.7)	(39.6)	28.8
EV/EBITDA (x)	(31.4)	(136.2)	(971.3)	12.1
Div Yield (%)	0.0%	0.0%	0.0%	0.0%
Payout Ratio (%)	0.0%	0.0%	0.0%	0.0%

Price Performance

YE 30 Jun	1 Mth	2 Mth	3 Mth	1 Yr
Relative (%)	6.1%	11.1%	6.7%	(30.5%)
Absolute (%)	6.9%	10.7%	3.3%	(29.5%)
Benchmark (%)	0.8%	(0.4%)	(3.4%)	1.0%



Major Shareholders

Paradice Investment Management 8.8%

Event

Peninsula Energy has provided an update on its Lance Uranium Project in Wyoming, USA. After some delays on delivery of long lead-time items, Lance is now back on track and is expected to commence first production in mid-2023 with first sales in 4Q23. The capital cost estimates remain in line with the Definitive Feasibility Study (DFS) from August 2022. We have updated and refreshed our financial model but make no material changes to our forecasts.

Highlights

- Construction of PEN's flagship Lance Projects in Wyoming, USA, has commenced and work streams are on schedule for a production restart in mid-2023. Peninsula is the only ASX company with direct exposure to US Government initiatives which are pro-domestic mine development. Peninsula delivered 300klbs to the US government in Mar-23.
- PEN has an existing contract book and product inventory, with a binding purchase agreement netting a cash margin of US\$7.8m in CY2021 (450klbs) and >US\$9m in CY22 (450klbs). The company has long-term sales contracts extending to 2033, up to 5.25Mlbs at US\$56-58/lb U₃O₈ with major utilities across Europe and the US.
- The uranium market continues to return to life after the decade lost post Fukushima. Shaw and Partners recently hosted a uranium conference at which Treva Klingbiel, the Principal of TradeTech, a leading uranium consulting group, outlined the high level of utility buying in the term market. Volumes in 2022 reached ~120mlbs of uranium sold, which is the 3rd busiest year since 2001 and the highest since 2012. 2023 is set to exceed that level with 50mlb already contracted in the March quarter.
- Uranium pricing is trending upwards due to looming supply deficits, lengthy development timeframes, increased spot market activity and geopolitical uncertainties. We expect to see at least US\$80/lb this cycle.
- Peninsula is switching operations from high to low pH in order to increase product yields.
 The results of an 18-month field demonstration indicated that the targeted low-pH chemistry and field patterns are effective in dissolving and recovering uranium.
- After some initial delays in receiving some long lead-time items construction is now
 progressing well. The first of two large acid storage tanks have been installed and the
 second has been received on site and will be installed soon. Pre-production circulating
 flows have been established in MU-1 at a rate of approximately 500 gallons per minute.
 This flowrate will be increased through May and June in preparation for first production
 in mid-23. The well patterns are being pre-acidified but no flow is being directed to the
 process plant whilst it is being modified.
- Peninsula released a DFS in August 2022 and our modelling is based on that DFS. The DFS outlined a simple, two-stage, ramp-up to 2Mlbs/yr, with production sourced from the Ross and Kendrick areas of Lance Projects.
- Peninsula is well capitalised for the restart of Stage 1 with US\$26m of cash at 31-Mar-23.
 Stage 1 will lift production to 0.82 Mlb's of production per annum for a total cost of US\$24.7m which includes US\$8.4m up front and US\$16.3m on the well field over 2.5yrs.
- Stage 2 will take production to 2Mlb/yr and will require additional investment of US\$70m. Peninsula's peak funding requirement to cash flow positive is ~US\$60m.

Recommendation

We maintain our Buy recommendation and price target of A\$0.34ps, set at 1.3x our fully diluted valuation of A\$0.26ps.

We like PEN for its operations being in the US, having an existing contract book, and its leverage to a uranium sector upcycle.

Andrew Hines | Head of Research

+61 3 9268 1178

andrew.hines@shawandpartners.com.au

Peter Kormendy | Senior Research Analyst

+61 3 9268 1099

Peter.Kormendy@shawandpartners.com.au



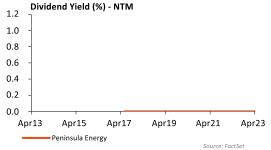
Peninsula Energy Energy Energy

FactSet: PEN-AU / Bloomberg: PEN AU

Key Items	Data
Recommendation	BUY
Risk	HIGH
Price (\$ps)	0.16
Target Price (\$ps)	0.34
52 Week Range (\$ps)	0.12 - 0.21
Shares on Issue (m)	1,257
Market Cap (\$m)	195
Enterprise Value (\$m)	184
TSR (%)	117.2%
Valuation NPV	Data
Valuation (\$m)	389
Valuation per share (cps) (AUD)	0.31

Peninsula Energy is an ASX listed company that owns the Lance Uranium Project in Wyoming, USA which are in transition from an alkaline to a low pH in-situ recovery operation. The Lance Project requires low upfront capital and can rapidly restart post a Final Investment Decision. PEN is the only ASX company with direct exposure to US Government initiatives which are pro-domestic mine development.





Price to Book (x)

Financial Year End: 30 June					
Investment Summary (AUD)	FY21A	FY22A	FY23E	FY24E	FY25E
EPS (Reported) (cps)	(0.2)	(0.4)	(0.7)	(0.4)	0.5
EPS (Underlying) (cps)	(0.2)	(0.4)	(0.7)	(0.4)	0.5
EPS (Underlying) Growth (%)	81.9%	(64.3%)	(68.2%)	42.7%	237.4%
PE (Underlying) (x)	(68.7)	(38.1)	(22.7)	(39.6)	28.8
EV / EBIT (x)	(208.5)	(31.4)	(23.4)	(31.2)	22.7
EV / EBITDA (x)	(208.5)	(31.4)	(136.2)	(971.3)	12.1
DPS (cps) (AUD)	0.0	0.0	0.0	0.0	0.0
Dividend Yield (%)	0.0%	0.0%	0.0%	0.0%	0.0%
Franking (%)	0%	0%	0%	0%	0%
Payout Ratio (%)	0.0%	0.0%	0.0%	0.0%	0.0%
Free Cash Flow Yield (%)	(10.9%)	0.7%	(2.8%)	(18.3%)	(16.5%)
Profit and Loss (AUD) (m)	FY21A	FY22A	FY23E	FY24E	FY25E
Sales	10	18	40	38	63
Sales Growth (%)	60.8%	87.2%	116.2%	(4.3%)	66.2%
Other Operating Income EBITDA	1	1	1	1	1 15
EBITDA EBITDA Margin (%)	(1) (9.0%)	(6) (31.9%)	(1) (3.4%)	(0) (0.5%)	24.2%
Depreciation & Amortisation	(9.0%)	(31.9%)	(5.4%)	(6)	(7)
EBIT	(0.9)	(5.8)	(7.8)	(5.9)	8.1
EBIT Margin (%)	(9.0%)	(31.9%)	(19.8%)	(15.5%)	12.8%
Net Interest	(3.070)	0	0	0	0
Pretax Profit	(1)	(6)	(8)	(5)	8
Minorities	0	0	0	0	0
NPAT Underlying	(1)	(6)	(8)	(5)	8
Significant Items	1	(1)	0	0	0
NPAT Reported	(2)	(5)	(8)	(5)	8
Cashflow (AUD) (m)	FY21A	FY22A	FY23E	FY24E	FY25E
EBIT	(1)	(6)	(8)	(6)	8
Tax Paid	0	Ó	1	Ó	0
Net Interest	(0)	0	0	0	0
Change in Working Capital	(9)	0	5	5	0
Depreciation & Amortisation	0	0	6	6	7
Other	(7)	8	0	0	0
Operating Cashflow	(17)	2	5	5	15
Capex	(0)	(1)	(10)	(44)	(54)
Acquisitions and Investments	0	0	0	0	0
Disposal of Fixed Assets/Investments	0	0	0	0	0
Other	0	0	0	0	0
Investing Cashflow	(0)	(1)	(10)	(44)	(54)
Free Cashflow	(17)	1	(5)	(39)	(38)
Equity Raised / Bought Back	11	0	22	30	0
Dividends Paid	0	0	0	0	0
Change in Debt	1	0	0	10	25
Other	0	(0)	0	0	0
Financing Cashflow	12	(0)	22	40	25
Exchange Rate Effect	0	(0)	0	0	0
Net Change in Cash	(5)	1	17	1	(13)
Balance Sheet (AUD) (m)	FY21A	FY22A	FY23E	FY24E	FY25E
Cash	7 11	8 1	25 0	26 0	12
Accounts Receivable Inventory	0	15	10	5	0 5
Other Current Assets	7	6	6	6	6
PPE	19	19	21	55	96
Total Assets	92	88	103	137	170
Accounts Payable	7	1	0	0	0
Short Term Debt	1	0	0	0	0
Long Term Debt	0	0	0	10	35
Total Liabilities	24	15	15	25	50
Total Shareholder Equity	78	73	88	112	121
• •	FY21A	FY22A	FY23E	FY24E	FY25E
Ratios ROE (%)	(3.2%)	(5.3%)	(9.4%)	(5.3%)	6.9%
Gearing (%)	(8.4%)	(11.3%)	(38.4%)	(15.9%)	15.8%
Net Debt / EBITDA (x)	6.9	1.3	18.3	82.5	1.5
Price to Book (v)	2.2	2.1	2.2	2.1	1.0

2.2

2.1

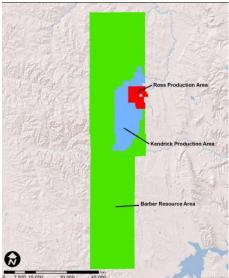
2.2

2.1

1.9



Figure 1: Lance Projects production areas



Source: Company reports, Shaw analysis

Lance Projects overview

The Lance Projects, broken into the Ross, the Kendrick and the Barber deposits (Figure 1), are located on the north-east flank of the Powder River Basin in Wyoming. They are a series of in situ recovery (ISR) deposits.

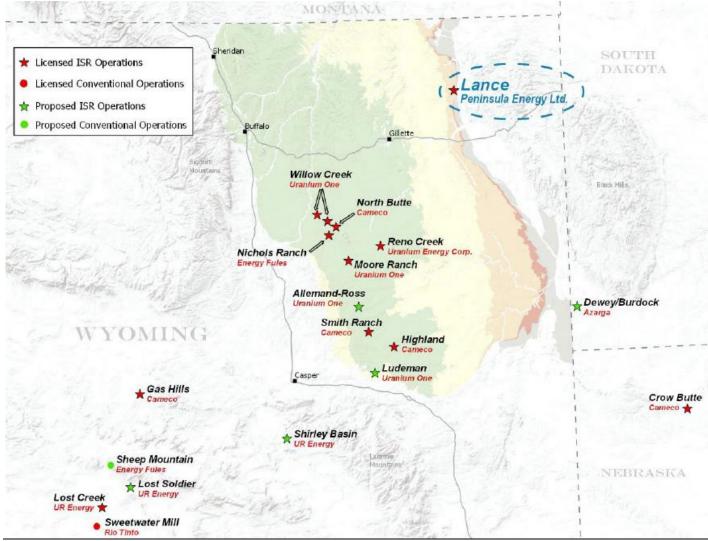
In-situ leach mining operations are for sandstone-hosted uranium deposits located below the water table in a confined aquifer. The uranium is dissolved in acid or alkali injected into and recovered from the aquifer by means of wells. In 2019 approximately 57% of global uranium production was via in-situ leach operations (vs 2000 15%). The increase over the past 20 years is largely due to the rise of Kazakh in-situ production (43% of 2019 production).

Lance started producing from the Ross unit in December 2015. Alkaline based operations were idled in July 2019 after $^{\sim}350$ klbs U_3O_8 had been mined - the company had ongoing difficulties in maximising recoveries.

Since then, PEN has focused its efforts on a transition to low pH operations, which have the potential to recover a higher percentage of uranium. Low pH recoveries are typically in the range of 70-90% vs 60-70% for alkali. The 2022 Ross and Kendrick DFS study conservatively assumes a 66% Resource recovery.

Figure 2: Powder River Basin, Wyoming, USA

The Powder River Basin in Wyoming, USA was discovered to host uranium in 1951. Deposits were found along a 60-mile trend, and a total of 190Mlbs of U_3O_8 has been produced from this region since first production in 1953.



Source: Company reports



Lance Projects Mineral Resource and technical updates

The 2022 DFS incorporates operational parameters observed in the MU1A Low-pH Field Demonstration, which took place between Sep-20q and Dec-21q. The DFS includes updated:

- Uranium grade and recovery curves (more conservative),
- ISR/well pattern design parameters (slightly narrower spacing), and
- process designs and reagent requirement models i.e.
 - o Rates of acidification/ consumption slightly less sulphuric acid consumption.
 - Strength of oxidants required hydrogen peroxide used instead of gaseous oxygen.

Figure 3: The Ross Process Plant at the Lance Projects, Wyoming USA



Source: Company reports

Figure 4: Lance Projects Mineral Resource, cut-off 200ppm U₃O₈

The first 5 years of production of PEN's Ross and Kendrick DFS can be sourced almost entirely from Measured and Indicated Resources. We note there is an assumed overall resource recovery of 66% and a resource conversion of 61% to convert the Ross and Kendrick Area Inferred resources to Indicated or greater quality.

There is a low level of geological confidence associated with Inferred Mineral resources, which is mostly comprised of the Barber Resource (~70% of the resource base). The Barber Resource is not included in the 2022 DFS. We note Exploration upside in the area was previously assessed to be 50-150Mlbs (2015).

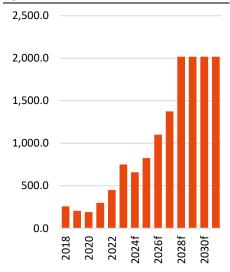
Classification	Tonnes (million)	U3O8(kg)	Grade (ppm U3O8)	U3O8(lbs)
Measured	3.4	1.7	489	3.7
Indicated	11.1	5.5	496	12.1
Inferred	36.2	17.2	474	37.8
Total	50.7	24.4	480	53.6

Project Area	Commence Production	Estimated Resources (lbs U ₃ O ₈) ⁽¹⁾	Estimated Production (lbs U ₃ O ₈) ⁽²⁾
Ross	Year 0	5,882,000	4,104,000
Kendrick	Year 2	15,930,000	10,247,000
DFS Area	Sub-Total	21,812,000	14,351,000
Barber Resource ⁽³⁾	N/A	31,859,000	N/A
Lance Projects	Total	53,672,000	N/A

Source: Company reports



Figure 5: Lance U₃O₈ Sales (Mlbs)



Source: Company reports, Shaw analysis

Lance Projects financial model updates

Our model of Lance Projects is broadly in line with the company's DFS assumptions. Key assumptions in our model include:

- An estimated LOM production of 16Mbls over 14 years.
- Stage 1 production of 0.8Mlbs/yr (end CY23) and a second stage production at steady state from year 4 (FY28) of 2Mlbs.
- All-in Sustaining Cash Costs (AISC) of US\$39/lb and All-in-Costs (AIC) of US\$46/lb.
- Life-of-Mine Capex of US\$290m, comprised of:
 - o Stage 1 Upfront Capex of US\$9m and Stage 2 Upfront Capex of US\$70m.
 - Stage 1 Sustaining Capex of US\$16m and Stage 2 Sustaining Capex of US\$195m.
- Restoration costs of US\$50m.
- Exploration/ Resource upside of US\$3/lb for the Barber Resource (~32Mlbs, not the full >150Mlbs resource potential). This is in line with the modelling methodology we use for PEN's peers.
- We assume a multi-year realised price spike at US\$70/lb for PEN (i.e. US\$70/lb realised includes the exiting contract book), before settling to our long-term U₃O₈ realised price assumption of US\$65/lb (2022 Real) in 2028 (vs PEN realised pricing of US\$62/lb).

On our analysis the Lance Projects is NPV positive at an average weighted U_3O_8 price of US\$53/lb. Using our base case U_3O_8 deck, the project has a post-tax NPV₁₀ of US\$151m.

Figure 6: Lance financial model (US\$m)

•	• • •												
Lance (US\$m)	2020	2021	2022	2023f	2024f	2025f	2026f	2027f	2028f	2029f	2030f	2031f	2032f
U3O8 (Mlb) - produced	31	0	0	0	459	825	1,100	1,376	2,017	2,017	2,017	2,017	1,651
U308 (Mlb) - sold	191	300	450	750	659	825	1,100	1,376	2,017	2,017	2,017	2,017	1,651
Revenue	7	12	24	40	38	63	88	110	161	161	161	175	147
Expenses	4	10	15	32	29	38	52	44	65	65	66	69	57
EBITDA	4	2	8	8	9	25	36	66	96	96	95	107	89
D&A	0	0	0	6	6	7	10	12	17	17	17	17	14
EBIT	4	2	8	1	3	18	26	54	79	79	78	89	75
Net Operating Assets	66	66	66	69	108	155	157	160	165	174	184	194	203
Capex	0	0	0	10	44	54	12	15	22	27	27	28	24
EBITDA Margin (%)	51%	19%	35%	20%	24%	39%	41%	60%	60%	59%	59%	61%	61%
EBIT / Assets (%)	6%	4%	13%	2%	3%	11%	17%	34%	48%	45%	42%	46%	37%
Spot U3O8 (US\$/Ib)	28	31	46	53	63	81	85	85	85	85	85	87	89
AUD/USD	0.67	0.75	0.72	0.68	0.72	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74
Revenue (US\$/Ib)	39	41	53	53	58	76	80	80	80	80	80	87	89
Expenses (US\$/Ib)	19	33	34	42	44	46	47	32	32	32	33	34	35
EBITDA (US\$/lb)	20	8	19	10	14	30	33	48	48	48	47	53	54
D&A (US\$/Ib)	0	0	0	9	9	9	9	9	9	9	9	9	9
EBIT (US\$/lb)	20	8	19	2	5	21	24	39	39	39	38	44	45
Nominal Tax @ 21%	0	0	0	0	0	0	0	0	0	-24	-23	-27	-22
Cash Flow	4	2	8	-2	-35	-29	24	51	74	46	45	52	43

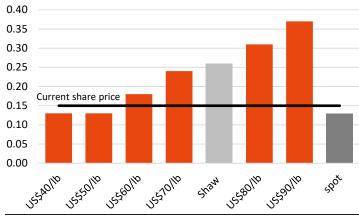
Source: Company reports, Shaw analysis

Figure 7: PEN valuation (fully diluted)

Peninsula Energy Valuation - diluted	US\$m	A\$m	A\$ps
Lance	151	201	0.13
Net cash / (debt)	26	35	0.02
Exploration upside	96	128	0.09
Cash from FY24 raising	30	40	0.03
Corporate costs	-11	-15	-0.01
Total Valuation	291	389	0.26
Target price (1.3x diluted valuation)			0.34

Source: Company reports, Shaw and Partners analysis

Figure 8: PEN valuation sensitivity (A\$ps)



Source: Company reports, Shaw and Partners analysis



Figure 9: PEN cash flow (US\$m)

CASH FLOW (US\$m)	2019	2020	2021	2022	2023f	2024f	2025f	2026f	2027f	2028f	2029f	2030f	2031f
Operating activities													
Receipts from customers	8	7	3	33	40	38	63	88	110	161	161	161	175
Payments to suppliers and employe	-15	-14	-11	-31	-41	-38	-48	-62	-54	-76	-76	-77	-80
Income taxes paid	0	0	0	0	1	0	0	0	0	0	0	-21	-21
Working capital movement	0	0	-9	0	5	5	0	0	0	0	0	0	5
Other	0	-1	0	0	0	0	0	-2	-1	0	1	3	4
Net cash flow from operating activities	-7	-8	-17	2	5	5	15	25	54	85	87	66	83
Investing activities													
Payments for PPE	0	0	0	-1	-10	-44	-54	-12	-15	-22	-27	-27	-28
Other	2	0	0	0	0	0	0	0	0	0	0	0	0
Net cash flow from investing activities	2	0	0	-1	-10	-44	-54	-12	-15	-22	-27	-27	-28
Free cash flow	-8	-8	-17	1	-5	-39	-38	13	39	63	60	39	56
Financing activities													
Net proceeds from issue of shares	0	31	11	0	22	30	0	0	0	0	0	0	0
Proceeds from borrowings	0	1	1	0	0	10	25	0	0	0	0	0	0
Repayments of borrowings	-1	-17	0	0	0	0	0	0	0	-10	-10	-10	-5
Dividends paid	0	0	0	0	0	0	0	0	0	0	0	-6	-15
Other	-1	0	0	0	0	0	0	0	0	0	0	0	0
Net cash flow from financing activities	-1	15	12	0	22	40	25	0	0	-10	-10	-16	-20
Net increase/(decrease) in cash	-7	7	-6	1	17	1	-13	13	39	53	50	23	36

Source: Company reports, Shaw analysis

Figure 10: PEN balance sheet (US\$m)

BALANCE SHEET (US\$m)	2019	2020	2021	2022	2023f	2024f	2025f	2026f	2027f	2028f	2029f	2030f	2031f
Cash and cash equivalents	5	12	7	8	25	26	12	25	65	118	168	191	227
Trade and other receivables	1	1	11	1	0	0	0	0	0	0	0	0	0
Other	4	4	8	21	16	11	11	11	11	11	11	11	6
Total current assets	10	16	25	30	41	37	23	36	76	129	178	202	233
Property, plant and equipment	19	19	19	19	21	55	96	97	99	102	108	115	123
Exploration and evaluation expendi	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	41	47	57	40	41	45	51	52	54	56	58	61	64
Total non-current assets	60	66	76	59	62	101	147	149	152	157	167	176	187
TOTAL ASSETS	70	82	101	88	103	137	170	186	228	286	345	378	419
Trade and other payables	2	1	7	1	0	0	0	0	0	0	0	0	0
Borrowings	16	1	1	0	0	0	0	0	10	10	10	5	0
Other	1	1	1	0	0	0	0	0	0	0	0	0	0
Total current liabilities	19	2	9	2	0	0	0	0	10	10	10	5	0
Deferred tax	0	2	2	1	2	2	2	2	2	2	23	23	27
Borrowings	0	0	0	0	0	10	35	35	25	15	5	0	0
Other	11	11	13	12	12	12	12	12	12	12	12	12	12
Total non-current liabilities	11	13	15	13	15	25	50	50	40	30	40	35	39
TOTAL LIABILITIES	30	15	24	15	15	25	50	50	50	40	51	41	39
NET ASSETS	41	67	78	73	88	112	121	136	178	246	294	337	380
Net debt	11	-11	-6	-8	-25	-16	23	10	-30	-93	-153	-186	-227
Gearing (ND/ND+E %)	21%	0%	0%	0%	0%	0%	16%	7%	0%	0%	0%	0%	0%

Source: Company reports, Shaw analysis



Key risks

As a small mining company broadly exposed to a single commodity and a single asset we consider an investment in Peninsula Energy to be high risk. The key risks include;

- The U₃O₈ market is relatively opaque and difficult to forecast. The actual uranium price
 may differ substantially from our forecasts.
- Operations for PEN have not yet started and there is a risk that they may be unable to bring Lance Projects to production in line with expectations. Costs may be higher and operations may not be as expected.
- Resource risks PEN's 2022 Ross and Kendrick DFS assumes an overall resource recovery of 66% and a resource conversion of 61% to convert the Ross and Kendrick Area Inferred resources to Indicated or greater quality.
- PEN will need to recapitalise to fund the commencement of operations. There is a risk that capital markets are not willing to fund the project.
- Forecasting future operating costs has considerable uncertainty. Our forecasts may
 prove to be too optimistic. If each company's costs are higher than we expect then our
 cash flow forecasts will be too high.
- Smaller companies carry more significant 'key personnel' risk than larger organisations.
 If senior management depart it could delay projects or exacerbate operational risks.
- Safe and reliable production from operations once projects are operational. The
 inability to maintain safe and reliable operations may result in a sustained, unplanned
 interruption to production and impact the company's licence to operate and financial
 performance. Production facilities are subject to operating hazards associated with
 major accident events, cyber-attack, inclement weather and disruption to supply
 chain, that may result in a loss of uranium (radioactive material) containment, harm to
 personnel, environmental damage, diminished production, additional costs, and
 impacts to reputation or brand.

Core drivers and catalyst

- PEN's flagship Lance Projects in Wyoming, USA, requires low upfront capital and can rapidly restart. PEN is the only ASX company with direct exposure to US Government initiatives which are pro-domestic mine development. We have a A\$0.34ps price target which is based on a 1.3x multiple of our base case valuation.
- PEN has an existing contract book and product inventory, with a binding purchase agreement netting a cash margin of US\$7.8m in CY2021 (450klbs) and >US\$9m in CY22 (450klbs). The company has long-term sales contracts extending to 2033, up to 5.25Mlbs at US\$56-58/lb U₃O₈ with major utilities across Europe and the US.
- The company is switching operations from high to low pH in order to increase product yields. The results of an 18-month field demonstration indicated that the targeted low-pH chemistry and field patterns are effective in dissolving and recovering uranium.
- The company released a Definitive Feasibility Study in Aug22 which details a Lance Projects NPV₈ (pre-tax) of US\$125m and 43% IRR at an average U₃O₈ price of US\$62/lb. Other components include:
 - o a life of mine (LOM) of 14 years with a plateau production of 2.0Mlbs/yr,
 - upfront capital expenditure of ~US\$80m (US\$9m for Stage 1 and US\$70m for Stage 2), and
 - o an estimated All-in Cost (AIC) of US\$46/lb U₃O₈ over LOM.
- In our view there are two key advantages to PEN's project being located in Wyoming, USA:
 - The Powder River Basin in Wyoming is in an established uranium and mining jurisdiction (uranium mining for ~70 years and coal mining for ~150 years).
 - The company has direct exposure to the US Government uranium purchase program and the US Nuclear Fuel Working Group.



Rating Classification

Buy	Expected to outperform the overall market
Hold	Expected to perform in line with the overall market
Sell	Expected to underperform the overall market
Not Rated	Shaw has issued a factual note on the company but does not have a recommendation

Risk Rating

High	Higher risk than the overall market – investors should be aware this stock may be speculative
Medium	Risk broadly in line with the overall market
Low	Lower risk than the overall market

RISK STATEMENT: Where a company is designated as 'High' risk, this means that the analyst has determined that the risk profile for this company is significantly higher than for the market as a whole, and so may not suit all investors. Clients should make an assessment as to whether this stock and its potential price volatility is compatible with their financial objectives. Clients should discuss this stock with their Shaw adviser before making any investment decision.

Distribution of Investment Ratings						
Rating	Count	Recommendation Universe				
Buy	101	91%				
Buy Hold	9	8%				
Sell	1	1%				

	Histor	y of Investmer	nt Rating and	d Target Price - Peninsula Energy
Date	Closing Price (\$) Targ	get Price (\$)	Rating	\$0.5]
9-May-23 15-Aug-22	0.16 0.18	0.34 0.34	Buy Buy	\$0.4 - \$0.4 - \$0.3 -
17-Feb-22	0.17	0.40	Buy	\$0.3 -
5-Sep-21	0.20	0.30	Buy	\$0.2 -
2-Jun-21	0.18	0.17	Buy	\$0.2
29-Mar-21	0.12	0.17	Buy	\$0.1
2-Feb-21	0.16	0.21	Buy	05/20 08/20 11/20 02/21 05/21 08/21 11/21 02/22 05/22 08/22 11/22 02/23
30-Nov-20	0.08	0.13	Buy	Peninsula Energy — Target Price
				Buy



Disclaimer

Shaw and Partners Limited ABN 24 003 221 583 ("Shaw") is a Participant of ASX Limited, Cboe Australia Pty Limited and holder of Australian Financial Services Licence number 236048.

ANALYST CERTIFICATION: The Research Analyst who prepared this report hereby certifies that the views expressed in this document accurately reflect the analyst's personal views about the Company and its financial products. Neither Shaw nor its Research Analysts received any direct financial or non-financial benefits from the company for the production of this document. However, Shaw Research Analysts may receive assistance from the company in preparing their research which can include attending site visits and/or meetings hosted by the company. In some instances the costs of such site visits or meetings may be met in part or in whole by the company if Shaw considers it is reasonable given the specific circumstances relating to the site visit or meeting. As at the date of this report, the Research Analyst does not hold, either directly or through a controlled entity, securities in the Company that is the subject of this report, or where they do hold securities those interests are not material. Shaw restricts Research Analysts from trading in securities outside of the ASX/S&P100 for which they write research. Other Shaw employees may hold interests in the company, but none of those interests are material.

DISCLAIMER: This report is published by Shaw to its clients by way of general, as opposed to personal, advice. This means it has been prepared for multiple distribution without consideration of your investment objectives, financial situation and needs ("Personal Circumstances"). Accordingly, the advice given is not a recommendation that a particular course of action is suitable for you and the advice is therefore not to be acted on as investment advice. You must assess whether or not the advice is appropriate for your Personal Circumstances before making any investment decisions. You can either make this assessment yourself, or if you require a personal recommendation, you can seek the assistance of your Shaw client adviser. This report is provided to you on the condition that it not be copied, either in whole or in part, distributed to or disclosed to any other person. If you are not the intended recipient, you should destroy the report and advise Shaw that you have done so. This report is published by Shaw in good faith based on the facts known to it at the time of its preparation and does not purport to contain all relevant information with respect to the financial products to which it relates. The research report is current as at the date of publication until it is replaced, updated or withdrawn. Although the report is based on information obtained from sources believed to be reliable, Shaw does not make any representation or warranty that it is accurate, complete or up to date and Shaw accepts no obligation to correct or update the information or opinions in it. If you rely on this report, you do so at your own risk. Any projections are indicative estimates only and may not be realised in the future. Such projections are contingent on matters outside the control of Shaw (including but not limited to market volatility, economic conditions and company-specific fundamentals) and therefore may not be realised in the future. Past performance is not a reliable indicator of future performance. Except to the extent that liability under any law cannot be excluded, Shaw disclaims liability for all loss or damage arising as a result of any opinion, advice, recommendation, representation or information expressly or impliedly published in or in relation to this report notwithstanding any error or omission including negligence.

Depending on the timing and size of your investment, your portfolio composition may differ to the model. Performance figures are derived from the inception date of the model and its investment transactions from that date, therefore the performance for your portfolio may be different. If you have any questions in connection with differences between your portfolio and the model, you should speak with your adviser.

IMPORTANT INFORMATION TO CONSIDER: It is important that before making a decision to invest in a Shaw Managed Accounts, a managed fund, an exchange traded fund, an individual hybrid security or listed debt instrument that you read the relevant Product Disclosure Statement ("PDS"). The PDS will contain information relevant to the specific product, including the returns, features, benefits and risks. The PDS can be found at: www.shawandpartners.com.au/media/1348/shawmanagedaccounts_pds.pdf.

RISKS ASSOCIATED WITH HYBRID SECURITIES: Hybrid securities and listed debt instruments differ from investments in equities and cash products in a number of important respects. The liquidity risk associated with an investment in hybrid securities and listed debt instruments will generally be greater than that associated with equities. The credit risk associated with hybrid securities and listed debt instruments is higher than that of a cash product or term deposit. Some hybrid securities may be perpetual in nature, meaning that they can only be redeemed or exchanged for cash or equity at the issuer's option. Hybrids may also contain terms which automatically trigger the deferral of an interest payment or cause the issuer to repay the hybrid earlier or later than anticipated. ASIC has published information to assist consumers in understanding the risks and benefits associated with an investment in hybrid securities or listed debt instruments. This information can be found under the heading 'Complex Investments' at www.moneysmart.gov.au/investing.

DISCLOSURE: Shaw will charge commission in relation to client transactions in financial products and Shaw client advisers will receive a share of that commission. Shaw, its authorised representatives, its associates and their respective officers and employees may have earned previously or may in the future earn fees and commission from dealing in the Company's financial products.

Sydney Head Office
Level 7, Chifley Tower
2 Chifley Square
Sydney NSW 2000
Telephone: +61 2 9238 1238

1800 636 625

Melbourne Level 36 120 Collins Street Melbourne VIC 3000 Telephone: +61 3 9268 1000 Toll Free: 1800 150 009

Brisbane Level 28 111 Eagle Street Brisbane OLD 4000 Telephone: +61 7 3036 2500

Toll Free: 1800 463 972

Adelaide Level 25 91 King William Street Adelaide SA 5000 Telephone: +61 8 7109 6000

Canberra Level 7 54 Marcus Clarke Street Canberra ACT 2600 Telephone: +61 2 6113 5300

Toll Free: 1800 636 625

Perth Level 20 108 St Georges Terrace Perth WA 6000

Telephone: +61 8 9263 5200

Toll Free: 1800 198 003

Suite 11a Q Place 2 Quamby Place Noosa Heads OLD 4567 Telephone: +61 7 3036 2570 Toll Free: 1800 271 201

Toll Free: 1800 636 625 Holder of Australian Financial Services Licence Number 236048 | ABN 24 003 221 583 | Participant of ASX Limited, Cboe Australia Pty Limited | www.shawandpartners.com.au

Toll Free: