

#### 18 July 2024

# New World Resources (NWC)

# Progressing to 2027 production

A technically and financially robust PFS (post-tax NPV<sub>7</sub> US\$498m (A\$726m), IRR 30.3%) sets the pathway towards near-term production at NWC's high-grade Antler Copper Project in Arizona (Figs 1 & 2). With DFS work to commence immediately, permit applications submitted and key approvals expected to be received from mid-2025 onwards, NWC is targeting FID by late 2025 and first concentrate production in 1H 2027. Antler is located in a favourable jurisdiction (70% of US copper production is in Arizona) and is progressing when demand for Cu is forecast to grow strongly, and with few high-grade emerging producers on the ASX. Maintain BUY, revised PT  $(1xP/NPV_{10})$  of A\$0.10/sh (prev. A\$0.126/sh) after aligning our forecasts with key study outcomes and increased equity dilution.

### PFS vs Scoping Study outcomes

- PFS outcomes compared to the June 2023 Scoping Study are tabulated in Figure 3. Key outcomes include:
- The PFS delivers a smaller mine inventory but at a higher head grade (i.e., less dilution). Payable LOM prod. is down however on lower assumed payabilities.
- Preproduction capex has increased to US\$298m (prev. US\$252m) with a significant increase in the paste plant costs (Figure 4). There has been a significant increase in the LOM sustaining capex to US\$160m (prev. US\$70m). We attribute this to more development over the project LOM with a refined mining plan modelling access drives at 20m intervals (prev. 25m) – Figure 5.
- C1 costs have increased by 18% to US\$108/t (US\$1.97/lb Cueq) vs US\$92/t (US\$1.68/lb) previously. AISC up more (+23%) on higher sustaining capex.
- The net impact of lower payable Cueq production, increased capex and increased costs is a 25% decline in the pre-tax NPV<sub>7</sub> to A\$929m (prev. A\$1,245m).

#### Impact on Petra forecasts

- We had adopted a conservative payability environment and, while we have made changes to the production profile, we have only had to revise down our forecast LOM Cueq payable production by 2% to 363kt (Fig. 6).
- Factoring in higher capex and costs has however lowered our NPV<sub>10</sub> valuation by 17% to A\$650m (Fig 7).
- Despite the increase in preproduction capex and costs, we calculate that Antler screens well against project peers in terms of capex intensity, and AISC (Figs. 9-10).

### Key Dates Ahead

- Sep. Q'24 Drill results from Bullhorn and Discus.
- 2H 2024 Ongoing permitting for Antler Project

# BUY

# Share Price: A\$0.03

Target Price: A\$0.10

Company Data	
Shares – ordinary (M)	2835.6
Options/Rights (M)	159
Diluted for options/rights (M)	2995
Market capitalisation (\$M)	85
12 month low/high (\$)	0.02/ 0.05
Average monthly turnover (\$M)	3.2
GICS Industry	Metals & Mining

### Financial Summary (fully diluted/normalised)

Year End June	FY23A	FY24F	FY25F	FY26F	FY27F
Revenue (\$M)	0.0	0.0	0.0	0.0	53.0
Costs (\$M)	-2.5	-3.0	-3.1	-3.1	-50.6
EBITDA (\$M)	-2.5	-3.0	-3.1	-3.1	2.4
NPAT (\$M)	-2.5	6.7	-2.8	-4.8	-13.8
EPS (¢ps)	-0.1	0.2	-0.1	-0.1	-0.2
EPS growth (%)	na	na	na	na	>100%
PER (x)	na	12	na	na	na
Op. Cashflow (\$M)	-3.9	-2.8	-3.1	-3.1	-2.0
OCFPS (¢ps)	-0.2	-0.1	-0.1	-0.1	0.0
POCFPS (x)	na	na	na	na	na
Enterprise Value (\$M)	82.4	67.1	74.9	207.3	360.5
EV / EBITDA (x)	-ve	-ve	-ve	-ve	150.3
Payout ratio (%)	na	na	na	na	na
Dividends (¢ps)	0	0	0	0	0
Yield (%)	na	na	na	na	na
Franking (%)	na	na	na	na	na

#### NWC – performance over one year



#### **Disclosure and Disclaimer**

This report must be read with the disclosure and disclaimer on the final page of this document. Petra Capital was joint lead manager and bookrunner for this Company's placement to raise \$20m at A\$0.036/sh on 12 April 2024 for which fees have been received.

David Brennan, CFA +61 2 9239 9630



# Analysis

# **New World Resources**

## Year End June

Share price (A\$)	0.030
Issued shares (m)	2,836
Market Cap (A\$m)	85
Options/Rights + to issue (m)	159
Dilution (A\$165m at A\$0.04/sh)	3,750
Fully diluted no. of Shares (m)	6,745

P&L Statement (A\$M)	FY23A	FY24F	FY25F	FY26F	FY27F	FY28F	
Revenue	0.0	0.0	0.0	0.0	53.0	413.9	
Costs	(2.5)	(3.0)	(3.1)	(3.1)	(50.6)	(174.5)	
EBITDA	(2.5)	(3.0)	(3.1)	(3.1)	(00.0) <b>2.4</b>	239.4	
D&A	(0.0)	0.0	0.0	0.0	(7.5)	(25.0)	
Operating profit	(2.5)	(3.0)	(3.1)	(3.1)	(5.1)	214.4	
NOI	0.00	9.7	(0.12)	(1.9)	(3.2)	(1.5)	
EBIT	(2.5)	6.7	(3.2)	(5.0)	(8.3)	212.9	
Interest income	0.0	0.1	0.4	0.2	0.1	0.2	
Interest expense	0.0	0.0	0.0	0.0	(5.7)	(10.8)	
Tax expense	0.0	0.0	0.0	0.0	0.0	(61)	
Minority interest	0.0	0.0	0.0	0.0	0.0	0.0	
Reported NPAT	(2.5)	6.7	(2.8)	(4.8)	(13.8)	141.6	
	( )		( )		( /		
EPS Reported (A\$c)	(0.1)	0.2	(0.1)	(0.1)	(0.2)	2.1	
DPS - Declared (A\$c)	0.0	0.0	0.0	0.0	0.0	0.0	
Avg. shares (m)	2,073	2,708	2,995	4,120	5,995	6,745	
YE shares (m)	2,375	2,995	2,995	5,245	6,745	6,745	
Cash Flow (A\$M)	FY23A	FY24F	FY25F	FY26F	FY27F	FY28F	
EBITDA	(2.5)	(3.0)	(3.1)	(3.1)	2.4	239.4	
Invest. In WC	(1.4)	0.0	0.0	0.0	(4.4)	(21.7)	
Tax expense	0.0	0.2	0.0	0.0	0.0	(60.7)	
Operating Cash Flow	(3.9)	(2.8)	(3.1)	(3.1)	(2.0)	157.1	
Capex	0.0	0.0	0.0	(212.5)	(212.5)	(23.0)	
Exploration	(15.5)	(17.0)	(5.0)	(5.0)	(5.0)	(5.0)	
Other investments	0.0	0.0	0.0	0.0	0.0	(22.0)	
Investing Cash Flow	(15.5)	(17.0)	(5.0)	(217.5)	(217.5)	(50.0)	
Net interest	0.0	0.1	0.4	0.2	(5.6)	(10.6)	
Debt	0.0	0.0	0.0	127.5	157.5	(15.0)	
Dividends paid	0.0	0.0	0.0	0.0	0.0	0.0	
Equity raised / (repaid)	17.6	25.4	0.0	90.0	75.0	0.0	
Financing Cash Flow	17.6	25.5	0.4	217.7	226.9	(25.6)	
Non-operating/Other	0.1	9.7	(0.1)	(1.9)	(3.2)	(1.5)	
Inc/(Dec) in Cash	(1.7)	15.3	(7.8)	(4.8)	4.3	79.9	
Balance Sheet (A\$M)	FY23A	FY24F	FY25F	FY26F	FY27F	FY28F	
Cash & Equivalents	2.6	18.0	10.1	5.3	9.6	89.5	
Receivables	0.7	0.7	0.7	0.7	5.3	41.4	
Inventories	0.0	0.0	0.0	0.0	3.2	24.8	
Other Current Assets	0.7	0.7	0.7	0.7	0.7	0.7	
PPE and Exploration	49.3	66.3	71.3	288.8	498.8	523.8	
Deferred tax asset	0.0	0.0	0.0	0.0	0.0	0.0	
Other Non Current Assets	0.0	0.0	0.0	0.0	0.0	0.0	
Total Assets	53.3	85.6	82.8	295.5	517.5	680.2	
Payables & Other	1.9	2.1	2.1	2.1	5.5	41.6	
Short Term Debt	0.0	0.0	0.0	0.0	0.0	0.0	
Long Term Debt	0.0	0.0	0.0	127.5	285.0	270.0	
Other Liabilities	0.0	0.0	0.0	0.0	0.0	0.0	
Non-controlling interest	0.0	0.0	0.0	0.0	0.0	0.0	
Total Liabilities incl NCI	1.9	2.1	2.1	129.6	290.5	311.6	
Equity	51.4	83.5	80.7	165.9	227.0	368.6	
Total Liabilities & Equity	53.3	85.6	82.8	295.5	517.5	680.2	
Ratios	FY23A	FY24F	FY25F	FY26F	FY27F	FY28F	
P/E (x)	na	12.1	na	na	na	1.4	
ROE (%)	-5%	12.1	-3%	-4%	-7%	48%	
Debt/Equity	0.0%	0.0%	0.0%	-4% 77%	126%	40 <i>%</i> 73%	
DebyEquity	0.0%	0.0%	0.0%	1170	12070	1370	

Commodity prices	FY23A	FY24F	FY25F	FY26F	FY27F	FY28F
Copper (US\$/lb)	3.76	3.94	4.33	4.30	4.30	4.30
Lead (US\$/lb)	0.95	0.97	0.95	0.95	0.95	0.95
Zinc (US\$/lb)	1.36	1.16	1.30	1.30	1.30	1.30
Gold (US\$/oz)	1,832	2,079	2,300	2,275	2,150	2,025
Silver (US\$/oz)	22	25	30	30	30	30
AUD:USD	0.67	0.66	0.67	0.68	0.69	0.70
Production	FY23A	FY24F	FY25F	FY26F	FY27F	FY28F
Ore processed (Antler) (Mt)	0.00	0.00	0.00	0.00	0.15	1.20
Copper (t)	0.00	0.00	0.00	0.00	2,136	17,088
Lead (t)	0.00	0.00	0.00	0.00	487	3,894
Zinc (t)	0.00	0.00	0.00	0.00	5,045	40,360
Silver (Koz)	0.00	0.00	0.00	0.00	95	756
Gold (Koz)	0.0	0.0	0.0	0.0	0.8	6.0
Cueq production (t) - recovered	-	-	-	-	4,239	33,829
Cueq production (t) - payable	-	-	-	-	3,830	30,562
Costs (A\$/Ib Cu)	EV23A	EV24E	EV25E	EV26E	EV27E	EV28E

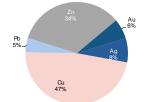
Costs (A\$/lb Cu)	FY23A	FY24F	FY25F	FY26F	FY27F	FY28F
AISC (A\$m)	-	-	-	-	51	216
Cueq production (Mlb)	-	-	-	-	9	75
Unit AISC (A\$/lb Cueq)	-	-	-	-	5.42	2.90
Unit AISC (US\$/lb Cueq)	-	-	-	-	3.71	2.03

 Resource
 Mt (ore)
 Cu %
 Au g/t
 Ag g/t
 Pb %
 Zn %

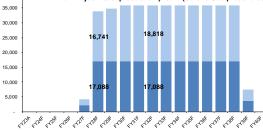
 Antler (November'22)
 11.4
 2.10%
 0.36
 32.9
 0.90%
 5.0%

= 11.4Mt @ 4.1% Cueq after forecast metallurgical recovery (4.4% Cueq at 100%)

#### Antler Resource - in situ value (US\$4.95bn) at spot metal



Antler Project f'cast production profile (Cu and Cueq recovered)



Copper (t)         Copper equivalent (t) from Zn, Au, Pb, Ag           Valuation         (A\$/m)         (A\$/sh)           Antler Project (13.6Mt mine inventory)         604         0.09           Antler / Javelin expl. upside (nominal)         50         0.01           Tererro Project (nominal)         5         0.00									
Valuation	(A\$m)	(A\$/sh)							
Antler Project (13.6Mt mine inventory)	604	0.09							
Antler / Javelin expl. upside (nominal)	50	0.01							
Tererro Project (nominal)	5	0.00							
Investments	0	0.00							
Corporate costs	(27)	(0.00)							
Enterprise value	632	0.09							
Net cash (debt) (FY24F)	18.0	0.00							
Equity value	650	0.10							

Source: Petra Capital

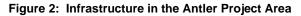
40,000





Figure 1: Project location in Arizona, USA

Source: Company





Source: Company



Parameter	2023 Scoping Study	2024 PFS	% Change
Production			
Mined tonnes to plant (Mt)	15.4	13.6	-11.7%
Annual plant throughput (Mtpa)	1.3	1.2	-7.7%
Mine life (years)	Over 13 years	Over 12 years	
LOM Head Grade (pre-recovery) (Cueq %)	2.9%	3.20%	9.6%
Mined Production (contained metal) (Cueq t)	450,998	439,351	-2.6%
Payable Production (Cueq t)	381,400	341,071	-10.6%
Steady-state Annual Prod. (average) (Cueq t)	32,700	30,100	-8.0%
Сарех			
Preproduction Capex (US\$m)	252	298	18.3%
Sustaining Capex (US\$m)	70	160	128.6%
Total Capex (US\$m)	322	458	42.2%
Costs			
C1 costs (US\$t/ore)	91.95	108.45	17.9%
C1 costs (US\$/lb Cueq)	1.68	1.97	17.3%
C1 costs (US\$/Ib Cu) (net of co-products)	-0.50	0.12	nc
AISC costs (US\$t/ore)	96.49	120.15	24.5%
AISC costs (US\$/lb Cueq)	1.77	2.18	23.2%
AISC costs (US\$/lb Cu) (net of co-products)	Not stated	0.51	
Financials			
Revenue (A\$bn)	4.30	4.60	7.0%
Free Cash Flow (pre-tax) (A\$bn)	2.15	1.79	-16.7%
NPV <sub>7</sub> (pre-tax) (A\$m)	1,245	929	-25.4%
NPV7 (pre-tax) (US\$m)	835	636	-23.8%
IRR (pre-tax)	40.2%	34.3%	-14.7%
NPV7 (post-tax) (A\$m)	Not stated	726	
NPV <sub>7</sub> (post -tax) (US\$m)	Not stated	498	
IRR (post-tax)	Not stated	30.3%	
Commodity price assumptions			
Copper (US\$/t)	8,500	9,259	8.9%
Zinc (US\$/t)	2,800	2,712	-3.1%
Lead (US\$/t)	2,000	2,205	10.3%
Silver (US\$/oz)	20	25	25.0%
Gold (US\$/oz)	1,800	2,055	14.2%

Figure 3: July 2024 PFS vs June 2023 Scoping Study - key assumptions and outcomes

Source: Company, compiled by Petra Capital

- Smaller mine inventory (13.6Mt vs prev. 15.4Mt) and mill (1.2Mtpa vs prev. 1.3Mtpa) but higher head grade (3.2% Cueq vs prev. 2.9% Cueq) so that LOM contained metal at 439kt Cueq is largely unchanged (2.6% below) from the Scoping Study's 451kt Cueq.
- However, payable LOM production at 341kt Cueq is 10.6% lower than prev. 381kt Cueq. This is due to lower payability assumptions as recoveries are largely unchanged.
- Preproduction capex at US\$298m is US\$46m (18%) higher than in the Scoping Study. We note a significant increase in the paste plant capex to US\$29.6m (vs US\$6.54m prev.).
- A significant increase in the LOM sustaining capex to US\$160m (prev. US\$70m). We attribute this to more development over the project LOM with access drives now at 20m intervals (vs 25m at the Scoping Study).



- C1 costs up 17% to US\$1.97/lb Cueq (US\$1.68/lb) with AISC up 23% to US\$2.18/lb (US\$1.77/lb). We note a small increase in mining costs (US\$48.90/t vs prev. US\$47.36/t) but a larger increase in processing costs (US\$23.89/t vs prev. US\$17.06/t).
- Net impact is a 25% decrease in the pre-tax NPV7 to A\$929m (prev. A\$1,245m).

## Figure 4: Pre-production capital costs (A\$m) – July'24 PFS (LHS table) vs June'23 Scoping Study (RHS)

		Description	US\$ million
Capital Item	US\$M	Mine fleet	-
ng and Mine Infrastructure essing Plant Earthworks ower Switchyard and Power Distribution ace Civils (WRSF, DTSF and Buildings) er Supply er Supply missioning & Spares neering Services e Plant ingency roduction Operating Costs	<b>4</b> 40.0	Mine development	30.90
Mining and Mine Infrastructure	\$49.6	Ventilation Infrastructure	0.72
ng and Mine Infrastructure essing Plant Earthworks ower Switchyard and Power Distribution ace Civils (WRSF, DTSF and Buildings) er Supply er Supply missioning & Spares neering Services e Plant ingency roduction Operating Costs	\$100.5	Mine Dewatering Infrastructure	0.48
		Communications/IT	0.40
ng and Mine Infrastructure essing Plant Earthworks ower Switchyard and Power Distribution ace Civils (WRSF, DTSF and Buildings) er Supply er Supply missioning & Spares neering Services e Plant cingency roduction Operating Costs	\$6.6	Site Infrastructure – Shops/Admin	2.50
		Light Vehicles	0.28
HV Power Switchyard and Power Distribution	\$1.2	Crushing	8.53
Surface Civils (WRSE, DTSE and Buildings)	\$16.4	Crushed Ore Bin & Reclaim	3.96
eessing Plant Earthworks Power Switchyard and Power Distribution ace Civils (WRSF, DTSF and Buildings) er Supply er Supply missioning & Spares ineering Services te Plant tingency	\$10.4	Grinding	37.30
eering Services Plant gency oduction Operating Costs	\$5.3	Gravity and classification	0.81
		Flotation	27.13
er Supply	\$11.0	Concentrate thicken/filter	17.66
		Tailings Filter Plant	10.00
ssing Plant arthworks wer Switchyard and Power Distribution ce Civils (WRSF, DTSF and Buildings) supply supply anissioning & Spares sering Services Plant agency suduction Operating Costs	\$7.0	Paste plant	6.54
Engineering Services	\$22.5	Reagents	1.21
eproduction Operating Costs	922.0	Process control system	1.36
	\$29.6	Tailings dry stack	5.95
		On-site Infrastructure	2.60
Contingency	\$31.4	Power	7.00
		Water supply	0.36
Preproduction Operating Costs	\$16.5	Owner Costs/Project Management	5.05
TOTAL	\$297.6	Royalty Buyout	11.2
	4207.0	Indirects	25.49
		Contingency	44.24
		Total Capital	251.67

Source: Company, compiled by Petra Capital

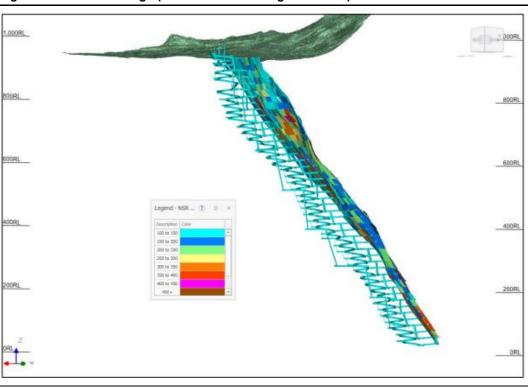


Figure 5: PFS mine design (cross section looking southwest)

Source: Company



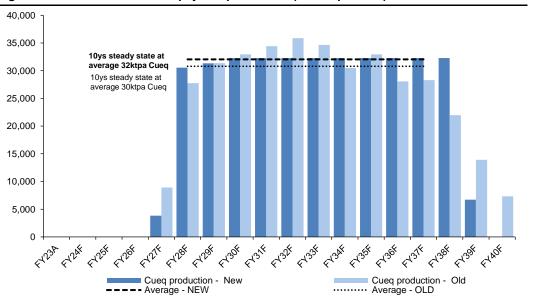


Figure 6: New vs OLD forecast payable production (in Cueq tonnes)

Source: Company Profile

# **Summary of Changes**

- Updated production, capex, and cost forecasts in line with recent PFS.
  - Pre-production capex: increased to A\$425m (prev. A\$360m).
  - Sustaining capex: increased to A\$233m (prev. A\$84m).
  - o Increased C1 and AISC in line with PFS US\$1.97/lb and US\$2.18/lb Cueq.
- Reduced production in Year 1 (FY27F) in line with the most recent timeline which indicates first concentrate production in Jun. Q'27 (Figure 8).
- Increased dilution (to cover increased pre-production capex and working capital). Now assume A\$165m in new equity @ A\$0.04/sh vs prev. A\$130m @ A\$0.04/sh.

		FY24F				FY25F		FY26F			
		New	Old	% var	New	Old	% var	New	Old	% var	
Revenue	A\$m	0.0	0.0	na	0.0	0.0	na	0.0	0.0	na	
EBITDA	A\$m	-3.0	-3.0	0%	-3.1	-3.1	0%	-3.1	-3.1	0%	
EBIT	A\$m	6.7	6.7	0%	-3.2	-3.2	0%	-5.0	-5.0	0%	
NPAT	A\$m	6.7	6.7	0%	-2.8	-2.8	0%	-4.8	-4.8	0%	
EPS	A\$c/sh	0.25	0.25	0%	-0.09	-0.09	0%	-0.12	-0.12	0%	
DPS	A\$c/sh	0.0	0.0	na	0.0	0.0	na	0.0	0.0	na	
Equity value	A\$m	650	788	-17%							
Price target	A\$/sh	0.10	0.13	-23%							
Copper output	(t)	0.0	0.0	na	0	0	na	0	0	na	
Zinc output	(t)	0.0	0.0	na	0	0	na	0	0	na	
Cueq output	(t)	-	-	na	-	-	na	-	-	na	
Cu price	US\$/lb	3.94	3.94	0%	4.33	4.33	0%	4.30	4.30	0%	
Zinc price	US\$/lb	1.16	1.16	0%	1.30	1.30	0%	1.30	1.30	0%	
AISC (Cueq)	US\$/lb	0.66	0.66	0%	0.67	0.67	0%	0.68	0.68	0%	

### Figure 7: Summary of changes (FY24F-FY25F)

Source: Petra Capital forecasts.

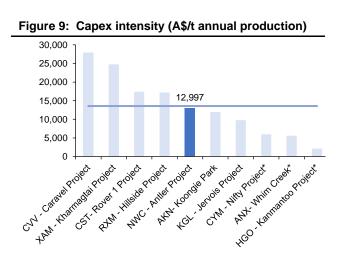
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# Figure 8: Forward work program timeline

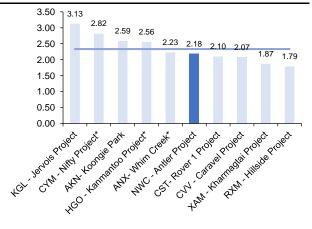
			2024			2025				2026				2027		
		-	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
err	mitting	Milestones														
Fed.	BLM	Mine Plan of Operations	EIS													
ድ	DLM	Mine Plan of Operations	EA													
		Aquifer Protection Permit (APP)														
		Underground Injection Control (UIC)														
	ADEQ	Class II Title V Air Quality Control Permit														
	ADEQ	Voluntary Remediation Program				-		_								
State	state	Drinking Water System Registration						_								
		Hazardous Waste Identification Number					—									
	ASMI	Arizona Mined Land Reclamation Permit								•						
		Start-up Notice for Mine Operations							-							
	ADoA	Agricultural Land Clearing Permit							_							
roj	ect Ex	ecution Milestones														
	Infill D	rilling														
	Contra	actor RFP's					-									
_	Dewat	ering							_							
Execution	Early S	ite Civil Works														
ŝ	Portal	Development														
	Proces	ss Plant Construction														
Project	Develo	opment Ore Available														
2	Stope	Ore Available														
	Proces	ssing Begins														
	Eiret C	oncentrate														_

Source: Company



Source: Companies, Petra Capital. Note: \* brownfield projects

# Figure 10: AISC (US\$/lb Cueq)



Source: Companies, Petra Capital. Note: \* brownfield projects







# Petra Capital

Level 17, 14 Martin Place, Sydney NSW 2000 Level 5, 1 Collins Street, Melbourne VIC 3000 Office: +61 3 9123 3000

Office: +61 2 9239 9600

ABN 95 110 952 782 ACN 110 952 782 AFSL 317 944

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