

# TOE.AU

15 June 2009

Uranium  
Australia (WA,NT,SA), Namibia  
Advanced Exploration/Resource Definition/PFS  
Exchanges: ASX:TOE

## Toro Energy Limited

A\$ 0.26

With each 10% increase in grades for TOE's flagship Wiluna (WA) calcrite project equating to +10cents/share added value, the better than expected recent Wiluna resource upgrade (grades +31%) has boosted our near term target price to ~40cents/share.

### Capital Profile

Share price (A\$)	0.26
52 week range (A\$/share)	0.09 to 0.32
Number of shares (m)	556
Options and warrants (m)	15
Convertible notes (m)	0
Fully diluted (m)	571
Market capitalisation (undiluted) (A\$m)	141.7
Debt (A\$m) - Jun 09F	0.0
Enterprise value (A\$m)	141.7
Major shareholders: OZ Minerals Ltd (51.7%), ANZ Nominees (5.0%)	
Allarow Pty Ltd (1.8%)	
Avg monthly volume (m)	54
Cash (A\$m) - Jun 09F	8.3
Price/Cash (x)	17.1
Price/Book (x)	1.0
Listed company options:	No

### Production and Financial Forecasts

YEAR END: June	Mar-09a	Jun-09F	2008a	2009F	2010F
Exploration and evaluation (A\$m)	1.06	2.20	6.32	7.37	7.50
Corporate (A\$m)	0.51	0.60	2.50	2.46	2.40
Exploration/(Expl.+ Corporate) (%)	68	79	72	75	76
Funding duration at current burn (years)	7.0	3.0	1.5	0.8	0.5
Shares on issue (pr end) (m shares)	555.8	555.8	494.7	555.8	605.8
Drilling - RAB (m)	2,500	2,500	21,500	12,500	10,000
Drilling - Other/Diamond (m)	2,500	3,500	12,500	19,500	15,500
Land holding ('000 ha)*	3,274	3,274	3,274	3,274	3,274
Tenement costs (\$k per year)	-	-	-	-	-
Capital raisings (A\$m)**	0.0	0.0	0.0	12.2	6.0
Funding from JV partners (A\$m)	0	0	0	0	0
Cash (A\$m)	11.0	8.3	13.4	8.3	4.7
Cash backing (Ac/share)	2.0	1.5	2.7	1.5	0.8
Net asset backing (Ac/share)	26.1	26.1	26.9	26.1	24.6

\*Uranium prospective tenements only, both held and under application.

\*\* Nominal A\$m capital raising assumed FY10

### Investment Points

100% uranium focus. Expl. + eval. budget A\$8m pa, cash A\$10m. Potential production 2012 (2 projects).

Most advanced is Wiluna project (WA) - 24mlb JORC resource (target 28mlb) - PFS completed.

Critical Wiluna optimisation study (due 3Q09) for enhanced economics, BFS to start 4Q09.

Recent Wiluna resource upgrades very positive. Lake Way grade +34% to 543ppm, C'pede +26% to 553ppm.

Overall grades up by 31% to 548ppm for 24.4mlb U3O8 (up from 23.9mlb), grades exceed +20% target.

Napperby, NT. JORC resource 7.4mlb, on track for 13mlb. Scoping study complete early 3Q09.

Deep yellow JV (Namibia) will bring focus to highly prospective palaeochannel exploration projects.

Near term target is A\$0.41/share based on recent Wiluna grade increases and positive (3Q09) optimisation study results.

### Company Comment

**Overview:** TOE listed on the ASX in March 2006 and is the pacesetter in advancing calcrite style uranium projects in Australia, with Wiluna at PFS stage and Napperby undergoing scoping study.

**Wiluna Uranium (WA):** Lake Way and Centipede uranium deposits TOE's most advanced project. **Wiluna PFS:** The GRD Minproc PFS was released in Sep '08, and reviewed in our 4Q08 Report. The PFS Option D assumed 1.5mtpa, 16.3mt LOM, 12 year mine life. Capex A\$247m, opex US\$39/lb, base case project NPV @ 12.3% (nom) an uninspiring A\$78m, using U<sub>3</sub>O<sub>8</sub> price of US\$80/lb (A\$/US\$ of 0.75). NPV is highly sensitive to grade and long term U<sub>3</sub>O<sub>8</sub> price. The current Optimisation Study (OS) is critical to enhance project economics. The OS is targeting capex -10%, head grades +20%, improved recoveries, mine life +5 years (resource drilling underway), overall opex -13% (minimum) to US\$34/lb, to give major NPV increase to A\$165m (TOE data). This means OS release in 3Q09 will be a huge milestone for TOE and its share price. **Resource Upgrades:** Recently announced Centipede resource upgrade from 438ppm to 553ppm (+26%) and Lake Way increase from 404ppm to 534ppm (+34%) gives a 31% increase in overall average grade (from 419ppm to 548 ppm) at unchanged 200ppm cut off, and total contained U<sub>3</sub>O<sub>8</sub> up 2% to 24.4mlb. This is very positive, exceeds OS targets and is a big confidence boost to surpassing OS NPV target and improved economics, to underpin BFS which will follow OS.

**Lake Maitland ("LM") Transaction:** Previously reported (1Q09 RCR TOE report). Analogous calcrite resource to Wiluna, scoping study stage. Values LM resource at US\$6-8/lb (subject to c/off grade).

**Napperby Project (NT):** 150km NW Alice Springs, resource drilling on-going. TOE recently announced >100% increase of the JORC inferred resource to 7.4mlb U<sub>3</sub>O<sub>8</sub> (359ppm grade) over ~50% of a total 14km strike. On track to confirm 13.2mlb non JORC historic resource (Uranerz). Calcrite hosted deposit is near surface (<8m depth), easily mined, low strip ratio. We expect release of the milestone Napperby scoping study due early 3Q09. Option payment to DYL (min A\$57m cash/shares) is a challenge.

**Other Exploration:** Extensive greenfields/brownfields U exploration portfolio (budget A\$2mpa). Priorities are **Lake Mackay** (WA) unexplored, palaeochannel and IOCG potential (initial reconnaissance soil and gravity program), **Iwupataka** (NT) sandstone and unconformity, **Radium Hill** (SA), palaeochannel targets. TOE has withdrawn from **Warrior** project in SA. **Namibia** - TOE has recently entered into **JV with Deep Yellow** (ASX:DYL) for its 3 Namibian tenements around DYL's Tumas-Tubas project (DYL: >100mlb resource likely). DYL is running intensive exploration programs in this area (7 rigs). DYL must spend A\$3.5m over 30 months to earn 65%, TOE will reduce to 25%, but JV will activate very prospective tenements based on DYL palaeochannel/alaskite exploration success.

**Investment Comment:** TOE's considerable pedigree of uranium management experience will be crucial to bring Wiluna and Napperby into production in 2012/2013. TOE shares have finally reacted to bullish Lake Maitland transaction and recent very positive Wiluna grade increases. Each +10% in Wiluna grades lifts share value by ~10cents. Market was factoring in +10% to +20% grades, actual is +31%. With reasonable expectation that 3Q09 Wiluna optimisation study will achieve other TOE targets, we expect a near term share price ~A\$0.40, based on a 30% pre-BFS discount to our assessed Wiluna project NPV.

### Reserves and Resources/Mineralised Material

Code for reporting mineral resources - Australian: (JORC)

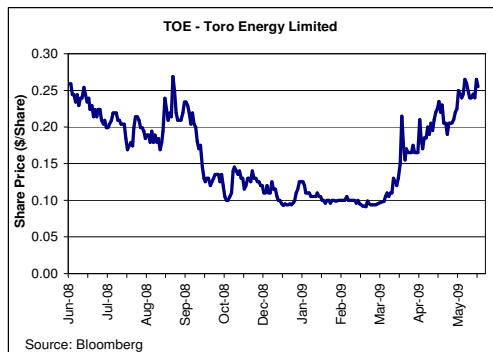
Uranium	Classification	Project	Ore	U <sub>3</sub> O <sub>8</sub>	Cut Off	U <sub>3</sub> O <sub>8</sub>	U <sub>3</sub> O <sub>8</sub>	Eqty
U <sub>3</sub> O <sub>8</sub>		Equity	Mt	%	ppm	Kt	Mlb	Mlb
Reserves						0.0	0.0	0.0

#### Resources

Wiluna: L. Way & C'pede	Meas Ind & Inf.	100%	20.2	0.055	200	11.1	24.4	24.4
Napperby	Inferred	0/100%	9.34	0.036	200	3.35	7.4	7.4
<b>Total Resources</b>						<b>14.42</b>	<b>31.8</b>	<b>31.8</b>

#### Mineralised Material (est., non compliant with JORC, inclusive of the Napperby Inferred Resource)

Napperby	Historic	0/100%	0.0	0.037		6.0	13.2	13.2
<b>Total Mineralised (non JORC)</b>						<b>0.0</b>	<b>0.0</b>	<b>13.2</b>



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### Key Projects

Project	Ownership/Option	Metal	JV / Partner	Target Type	Process Route	Project Status	Location
Wiluna	100%	U	none	Calcrite	Alk. Leach	PFS	Aus (WA)
Napperby	0/100%	U	DYL	Calcrite	Alk h/leach	Scoping	Aus (NT)
Namibia	100%/25%	U	DYL	Calc/Alask	na	Early Expl.	Namibia
Lake Mackay	100%	U	none	Unc+S'stone	na	Early Expl.	Aus (WA)
Radium Hill	100%	U	none	Palaeochannel	na	Early Expl.	Aus (SA)
Mount Woods	100% U rights	U	OZL/MNT	IOCG	na	Early Expl.	Aus (SA)

The table below summarises key project improvements targeted in Toro's current optimisation study on the flagship Wiluna calcrete project (completion 3Q09). Above-target resource grade increases already achieved are the primary value drivers which will underpin the BFS and a planned startup in 2012/2013.

	Prefeasibility Range	Optimisation Work	Targeted Improvement	Status
<b>Head Grade</b>	472-503ppm	Close spaced Sonic drilling	+20%	+31%
<b>Capital Cost</b>	A\$195-A\$247m	Met testing, water quality	-10%	pending
<b>Operating Cost</b>	US\$39-\$41/lb	Grade/ Recovery	-US\$6/lb	pending
<b>Recovery</b>	70%-83%	Column/leach testing	+2% to +5%	pending
<b>NPV</b>	\$74-\$78m		A\$165m	pending

Our TOE valuation is dominated by the Wiluna NPV. The Target Price (A\$0.41/share) is based on improved grades announced, and other optimisation study targets. The sensitivity analysis shows each +10% in grades (~50ppm) is worth ~10 cents per share, hence the resource grade increases are very good news.

TORO ENERGY VALUATION							
	Uranium		Target Price		Valuation Range		
	Resource/Mineralisation mlbs	US\$/lb	A\$m	A\$/Share	(Low) A\$m	(High) ** A\$m	
<b>Projects</b>							
+ Wiluna (PFS stage development project, potential upside with further optimisation work)*	24.4	5.75	180	0.32	130	220	
+ Napperby Option, net of DYL option payment (advancing development project)	13.0	0.9	15	0.03	5	15	
+ Warrior - (Project relinquished)			-	-	-	-	
+ Namibia (DYL JV - strategic tenements in DYL palaeochannel system)			15	0.03	10	15	
+ Basement projects (SA, uranium rights to OZL's IOCGU exploration program)			10	0.02	5	10	
+ Other Australia - WA, NT and SA (grass roots, requires targeting work)			5	0.01	2	5	
Sub Total			225	0.40	152	265	
+ Cash (Jun 09)			8	0.01	8	8	
+ Tax Losses			3	0.00	3	3	
- Corporate			10	0.02	10	10	
Sub Total			0	0.00	0	0	
<b>TOE NET ASSET VALUE</b>			<b>225</b>	<b>0.41</b>	<b>152</b>	<b>265</b>	
<b>Capital Structure</b>							
Shares (Jun '09)			555.8		555.8	555.8	
Fully Diluted Shares			571.3		571.3	571.3	
<b>TOE NET ASSET VALUE PER SHARE</b>	<b>:A\$/share</b>		<b>0.41</b>		<b>0.27</b>	<b>0.48</b>	
<b>TOE NET ASSET VALUE DILUTED</b>	<b>:A\$/share fully diluted</b>		<b>0.41</b>		<b>0.28</b>	<b>0.48</b>	
NOTE: * Wiluna target NPV is based on resource upgrades announced, further capex and opex improvements as targeted, equal probability of spot prices and long term contract uranium pricing.							
** High valuation assumes further improvements in grades and positive uranium price movements.							
Modelling is based on project NPV's for Wiluna discounted by 30% to allow for pre-BFS status.							
<b>WILUNA URANIUM PROJECT NPV @5% nominal - based on Wiluna resource upgrades (Jun '09) and optimisation study targets</b>							
	Equity		NPV Sensitivity				
	:US\$/lb		40	60	80	100	
LONG TERM URANIUM PRICE^							
LONG TERM EXCHANGE RATE	:AU/US		0.78	0.78	0.78	0.78	
<b>NPV @ 10% NOMINAL**</b>							
Base Case (includes grade upgrades Jun '09)	:A\$m	100%	8	124	236	348	
Grade Sensitivity: Head grade +10%	:A\$m	100%	46	169	291	414	
<b>Grade Sensitivity - increased share value (cents/share) for +10% grades</b>			<b>6.8</b>	<b>8.1</b>	<b>10.0</b>	<b>11.8</b>	
** Includes a pre feasibility study project discount of 30% of the project valuation:			30%				
^Long term uranium price forecasts are from 1Q10.							

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