



21 October 2024

## INTEGRATION OF VANADIUM INTO LAKE MAITLAND URANIUM RESOURCE UNDERWAY TO RE-OPTIMISE PIT

*Toro to integrate vanadium into the Lake Maitland uranium resource, in preparation for scoping study update with re-optimised pit, with potential to increase mining volume and potential production*

- Integration of the recently re-estimated Lake Maitland vanadium resource into the Lake Maitland uranium resource block model has commenced (refer to ASX announcement of 24 September 2024 for resource estimation details).
- Vanadium resource integration is the start of preparations for a new scoping study update for a stand-alone uranium-vanadium mining and processing operation at Toro's Lake Maitland Deposit.
- New scoping study update will include a re-optimisation of the proposed Lake Maitland mining pit using the new Lake Maitland resource estimation results to assess an increase in mining volume and therefore potential production.
- The new stand-alone Lake Maitland operation scoping study update is expected to be finalised before the end of the year.
- Future planned project optimisation work and the pilot plant programme will evaluate further economic improvements driven by Lake Maitland's close proximity to Toro's 100% owned Centipede-Millipede & Lake Way uranium deposits by potentially integrating additional resources from these two deposits.
- Strong improved financial outcomes from the recently updated Lake Maitland Scoping Study include:
  - Pre-tax NPV<sub>8</sub> of A\$832.8M (+37% increase of A\$223.20M)
  - Excellent 48% IRR (+7% increase)
  - Total EBITDA of \$2,303.3M (+30% increase of A\$534.4M)
  - Total undiscounted cash flow of A\$1,903.3M pre-tax – average >\$2M per week (+36% increase of A\$507.3M)
  - Short payback period of 2.1 years
  - Low C1 operating cost of US\$17.28/lb U<sub>3</sub>O<sub>8</sub> in years 1 to 7 when high grade uranium resource is being processed
  - Strong life of mine C1 operating cost of only US\$24.78/lb U<sub>3</sub>O<sub>8</sub>
  - Low AISC cost of US\$22.58/lb U<sub>3</sub>O<sub>8</sub> in years 1 to 7 when high grade uranium resource is being processed
  - Strong life of mine AISC cost of only US\$30.55/lb U<sub>3</sub>O<sub>8</sub>
  - Modest total CAPEX of US\$149M plus 20% for contingency and 15% for EPCM over a 17.5 year mine life producing a total of 22.8Mlbs U<sub>3</sub>O<sub>8</sub> and 11.9 Mlbs V<sub>2</sub>O<sub>5</sub>.

## Management Commentary

Commenting on this development, Toro's Executive Chairman, Richard Homsany, said:

*"Toro continues to advance the Wiluna Uranium Project through several optimisation and technical workstreams. The inclusion of the updated vanadium resource into the existing Lake Maitland resource is a key update ahead of reporting our new scoping study for the project later this year.*

*Importantly, the new scoping study will include a pit re-optimisation of the recently updated uranium resource block model, with the vanadium resource integrated within it, to assess a change to mining volume and therefore potential production. A favourable outcome on this alone could significantly increase the value of the Wiluna Uranium Project. This will more accurately represent the potential mining volumes, production figures and economic/financial outcomes for the proposed stand-alone Lake Maitland mining and processing operation.*

*Adding further weight to the global uranium conversation, global companies including Microsoft, Google and Amazon have recently committed to source nuclear energy to power their AI and data centres whilst expressly recognising that nuclear energy has a track record of providing a reliable source of safe carbon-free energy globally.*

*Against this backdrop and driven by the global push towards 'net zero', it is becoming increasingly clear that any regulatory or policy stance against exporting uranium to countries that need nuclear energy to grow their economies and support their de-carbonisation agendas, requires immediate re-evaluation.*

*As we head towards a busy and important phase for the business, the Board is confident that Toro has the necessary funding to deliver on several key, near term milestones that we believe will unlock further value for shareholders."*

**Toro Energy Limited** (ASX: TOE) ('the **Company**' or '**Toro**') is pleased to announce that it has initiated the work of integrating the new Lake Maitland vanadium resource estimation into the recently updated Lake Maitland uranium resource block model. This work is being undertaken in preparation for an updated scoping study, which is estimated to be completed before the end of the year.

The new uranium and vanadium resource estimates for the Lake Maitland Deposit were announced on the ASX on 24 September 2024 and all details of the estimation, including the associated JORC Table 1 and Table of Resources, can be found in that ASX announcement. The proposed stand-alone Lake Maitland uranium-vanadium mining and processing operation is just one of the potential options that Toro is exploring for commercialisation of its 100% owned Wiluna Uranium Project (**Figure 1**).

The new scoping study update will differ from the update previously announced on 18 June 2024. The update reported earlier this year was a re-calculation of the economics based on updated market and financial inputs, with no change to mining volume and therefore potential production. The updated scoping study will use the same market and financial inputs as the 18 June 2024 update, but will use them to re-optimize the proposed mining pit based on the new uranium resource block model with the new vanadium resource integrated within it. This will therefore be a more accurate representation of the potential mining volumes, production figures and economic/financial outcomes for the proposed stand-alone Lake Maitland mining and processing operation within the context of the chosen market and financial input scenario.

Once the integration of the vanadium resource into the uranium resource block model is complete, SRK Engineers will begin the re-optimisation of the proposed mining pit before re-calculating potential production schedules and financial outcomes. It is expected that the new updated scoping study for the stand-alone Lake Maitland mining and processing operation will be completed before the end of the calendar year, subject to any unforeseen delays.

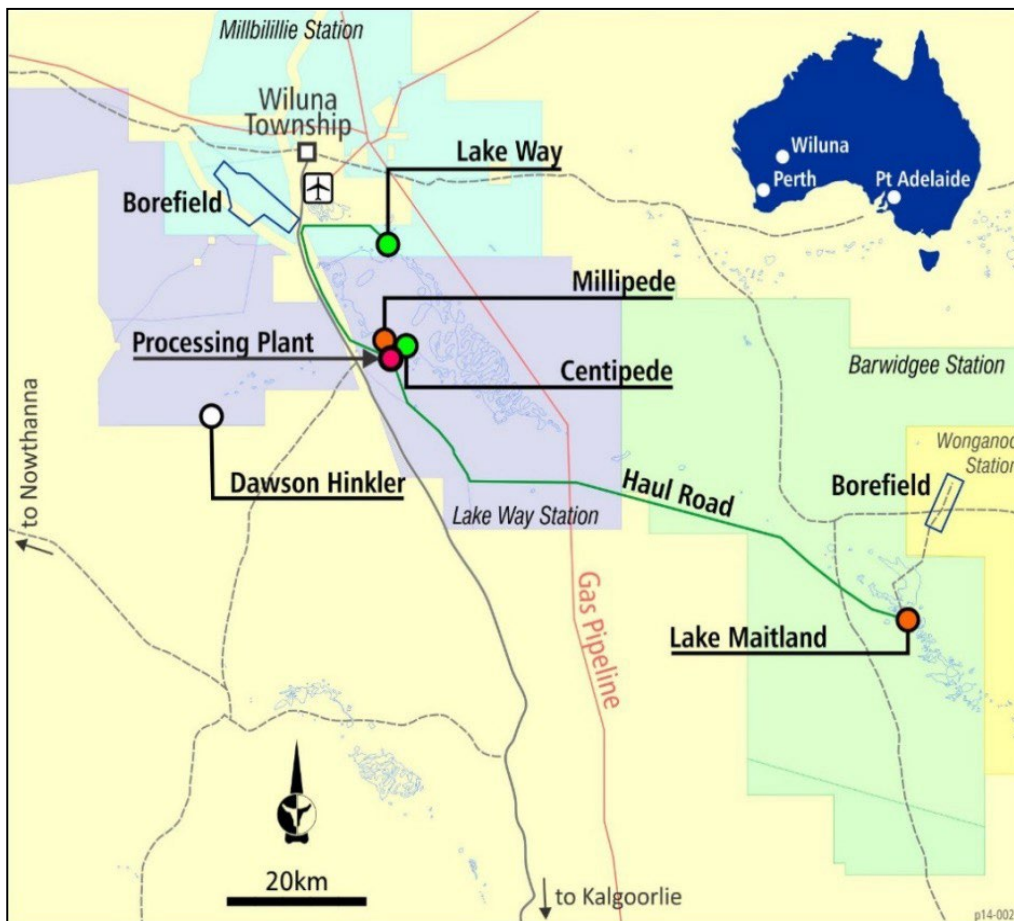


Figure 1: Wiluna Uranium Project

– Ends –

**This announcement was authorised for release to the ASX by the Board of Toro Energy Limited.**

Katherine Garvey  
Legal Counsel and Company Secretary, Toro Energy Limited  
60 Havelock Street, West Perth WA 6005

**For further information contact**

Richard Homsany +61 8 9214 2100  
Greg Shirliff

**About Toro**

Toro Energy Limited (ASX:TOE) is an ASX listed uranium development and exploration company with projects in Western Australia. Toro's tenure in Western Australia is also prospective for gold and base metals. Toro is committed to building an energy metals business with the flagship Wiluna Uranium Project as the centrepiece. The Wiluna Uranium Project consists of the Centipede-Millipede, Lake Maitland, Lake Way uranium deposits 30km to the south of the town of Wiluna in Western Australia's northern goldfields.

Please visit [www.toroenergy.com.au](http://www.toroenergy.com.au) for further information.

**Competent Persons' Statement**

**Wiluna Project Mineral Resources – 2012 JORC Code Compliant Resource Estimates – U<sub>3</sub>O<sub>8</sub> and V<sub>2</sub>O<sub>5</sub> for Centipede-Millipede, Lake Way, Lake Maitland and the Dawson Hinkler Satellite Deposit.**

The information presented here that relates to U<sub>3</sub>O<sub>8</sub> and V<sub>2</sub>O<sub>5</sub> Mineral Resources of the Centipede-Millipede, Lake Way and Lake Maitland deposits is based on information compiled by Dr Greg Shirliff of Toro Energy Limited and Mr Daniel Guibal of Condor Geostats Services Pty Ltd. Mr Guibal takes overall responsibility for the Resource Estimate, and Dr Shirliff takes responsibility for the integrity of the data supplied for the estimation. Dr Shirliff is a Member of the Australasian Institute of Mining and Metallurgy (AusIMM) and Mr Guibal is a Fellow of the AusIMM and they have sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity they are undertaking to qualify as Competent Persons as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code 2012)'. The Competent Persons consent to the inclusion in this release of the matters based on the information in the form and context in which it appears.

**Appendix 1: Tables of Resources for the Wiluna Uranium-Vanadium Project at 100ppm grade cut-offs. The V<sub>2</sub>O<sub>5</sub> resource has been estimated within the 70ppm U<sub>3</sub>O<sub>8</sub> mineralisation envelope but reported at a 100ppm V<sub>2</sub>O<sub>5</sub> cut-off.**

<b>A - Wiluna Uranium Project Resources Table (JORC 2012)</b>									
<b>At 100ppm cut-offs inside U<sub>3</sub>O<sub>8</sub> resource envelopes for each deposit - Proposed Mine Only</b>									
		Measured		Indicated		Inferred		Total	
		U <sub>3</sub> O <sub>8</sub>	V <sub>2</sub> O <sub>5</sub>	U <sub>3</sub> O <sub>8</sub>	V <sub>2</sub> O <sub>5</sub>	U <sub>3</sub> O <sub>8</sub>	V <sub>2</sub> O <sub>5</sub>	U <sub>3</sub> O <sub>8</sub>	V <sub>2</sub> O <sub>5</sub>
<b>Centipede-Millipede</b>	Ore Mt	7.5	-	21.3	-	10.0	73.1	38.7	73.1
	Grade ppm	428.0	-	392.0	-	206.0	281.0	351.0	281.0
	Oxide Mlb	7.1	-	18.4	-	4.5	45.2	30.0	45.2
<b>Lake Maitland</b>	Ore Mt	-	-	33.3	-	-	50.0	33.3	50.0
	Grade ppm	-	-	403.0	-	-	285.0	403.0	285.0
	Oxide Mlb	-	-	29.6	-	-	31.4	29.6	31.4
<b>Lake Way</b>	Ore Mt	-	-	15.8	-	-	18.7	15.8	18.7
	Grade ppm	-	-	406.0	-	-	307.0	406.0	307.0
	Oxide Mlb	-	-	14.1	-	-	12.7	14.1	12.7
<b>Total Wiluna Project</b>	Ore Mt	<b>7.5</b>	<b>-</b>	<b>70.3</b>	<b>-</b>	<b>10.0</b>	<b>141.8</b>	<b>87.8</b>	<b>141.8</b>
	Grade ppm	<b>428.0</b>	<b>-</b>	<b>400.3</b>	<b>-</b>	<b>206.0</b>	<b>285.8</b>	<b>380.6</b>	<b>285.8</b>
	Mlb	<b>7.1</b>	<b>-</b>	<b>62.0</b>	<b>-</b>	<b>4.5</b>	<b>89.3</b>	<b>73.6</b>	<b>89.3</b>
<b>Dawson Hinkler Satellite</b>	Ore Mt	-	-	17.3	-	32.1	ID	49.4	ID
	Grade ppm	-	-	236.0	-	159.0	ID	186.0	ID
	Oxide Mlb	-	-	9.0	-	11.3	ID	20.3	ID

ID = Insufficient data for an estimation currently.

Data in the table has been rounded to 1 decimal place, which is the nearest 100,000t or lbs in the case of ore and contained oxide respectively.

**The JORC Table 1 relevant to all of the resource estimations related to the resources stated in the above table can be found in the ASX announcement of 24 September 2024.**