



Australian Uranium & Rare Earths Conference: *July 2013*

PhosEnergy Process - Near term production

Disclaimer and Competent Person's Statement

❑ **Forward Looking Statements**

This Presentation may include statements that could be deemed “forward-looking statements”. Although the Company believes the expectations expressed in such forward-looking statements are based on reasonable assumptions, such statements are not guarantees of future performance and actual results or developments may differ materially from those expected in the forward-looking statements or not take place at all.

❑ **No offer to sell or invitation to buy**

This Presentation is not, and should not be considered to, constitute any offer to sell, or solicitation of an offer to buy, any securities in Uranium Equities Limited, and no part of this Presentation forms the basis of any contract or commitment whatsoever with any person. Uranium Equities Limited does not accept any liability to any person in relation to the distribution or possession of this Presentation from or in any jurisdiction.

❑ **Disclaimer**

Whilst care has been exercised in preparing and presenting this Presentation, to the maximum extent permitted by law, Uranium Equities Limited and its representatives:

- make no representation, warranty or undertaking, express or implied, as to the adequacy, accuracy, completeness or reasonableness of this Presentation;
- accept no responsibility or liability as to the adequacy, accuracy, completeness or reasonableness of this Presentation; and
- accept no responsibility for any errors or omissions from this Presentation.

❑ **Receipt of this Presentation**

If the recipient of this Presentation has signed any confidentiality or similar agreement covering information of the type herein contained, then the Presentation and all information therein is received subject to that agreement(s).

❑ **Competent Person Statement**

The information in this presentation that relates to Exploration Results is based on information compiled by Mr Grant Williamson, Geology Manager – Exploration for Uranium Equities Limited, who is a Member of the Australian Institute of Geoscientists. Mr Williamson has sufficient experience in the field of activity being reported to qualify as a Competent Person as defined in the 2004 edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves, and consents to the release of information in the form and context in which it appears here.

Investment Drivers

Near term by-product production and growth potential exploration

- **The PhosEnergy Process**

- Uranium recovery from phosphate fertilizer streams
- Production visibility in bottom quartile of worldwide production costs
- Existing project pipeline in place
- Joint development with Cameco
- Proven to demonstration plant scale



- **Nabarlek Project**

- Region capable of producing high grade, high tonnage uranium deposits
- Cost effective exploration
- Multiple outstanding targets for immediate test



The PhosEnergy Process

The potential to transform an industry...

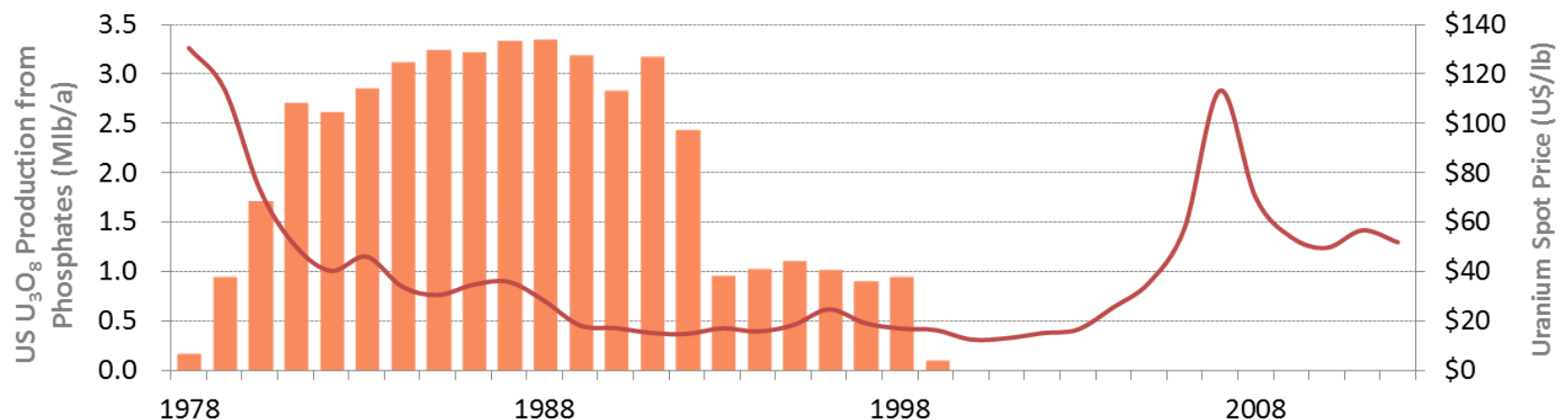
- “Bolt-on process” to existing phosphate production facilities
- PFS level Engineering Study Completed based on 880,000 lb U_3O_8 /a
 - Bottom quartile operating cost < **US\$18/lb U_3O_8**
 - Base Capital Cost of up to US\$165MM – under review
 - Current funding sufficient to complete DFS
- Demonstration Plant successfully operated in the USA through August 2012:
 - Consistently high uranium recovery – well over 90%
 - Validation of cost assumptions used in PFS
 - Without detrimental effect on phosphate stream quality (improvement)



Significant Global Potential

Existing project pipeline.

- Worldwide >140Mt* phosphate processed annually
 - ~20Mlb of contained U_3O_8
 - Proven, reliable uranium source
 - Not currently recovered
- Multiple potential development opportunities globally
- Major phosphate production:
 - USA
 - Morocco
 - Tunisia
- Seeking co-ventures with US phosphate producers as a first step towards production



Commercialisation Funding in Place

- Partnered with Cameco – one of the world's largest uranium producers
- Cameco has invested US\$21M to date with ~US\$4M on hand for further development
- Cameco funding sufficient to carry UEQ through completion of DFS
- UEQ retains 27% including marketing rights to uranium produced
- Cameco has agreed to fund at least 50% of UEQ's share of first facility capital requirements

Technology developed and funding secured



PhosEnergy process has been tested at pilot scale at an operating fertiliser production facility, and on three different acid sources...

Commercialisation Strategy – 2013

- USA focus:
 - Existing regulatory framework - shorter lead time
 - ~6Mlb/pa of recoverable uranium
 - Synergies with Cameco operations in USA
- Build commercial model based on demonstration plant and PFS results providing:
 - Commercially attractive opportunity for phosphate producers
 - Technical solution and engineering support
 - Regulatory and stakeholder support
 - Product off-take
- Refine PFS for specific phosphate site:
 - Opportunities to reduce Capex and Opex;
 - Readily convertible to Definitive Study;

Near-term production horizon



Demerger under consideration

- On 28th May 2013 UEQ announced it was reviewing the potential to demerge PhosEnergy from UEQ
- PhosEnergy, as a pre-production by-product opportunity, and uranium exploration have very different risk profiles and attract different investors
- If this were to be approved by the Board and shareholders NewCo would be:
 - Owned by UEQ shareholders via in-specie distribution
 - A focused by-product uranium recovery vehicle
 - An entity with near term cash-flow potential (at low cost)
 - Funded through DFS on its core asset
- UEQ would remain a focused uranium explorer with assets in Arnhem Land (Adj Nabarlek) and Rudall River (Adj Kintyre).



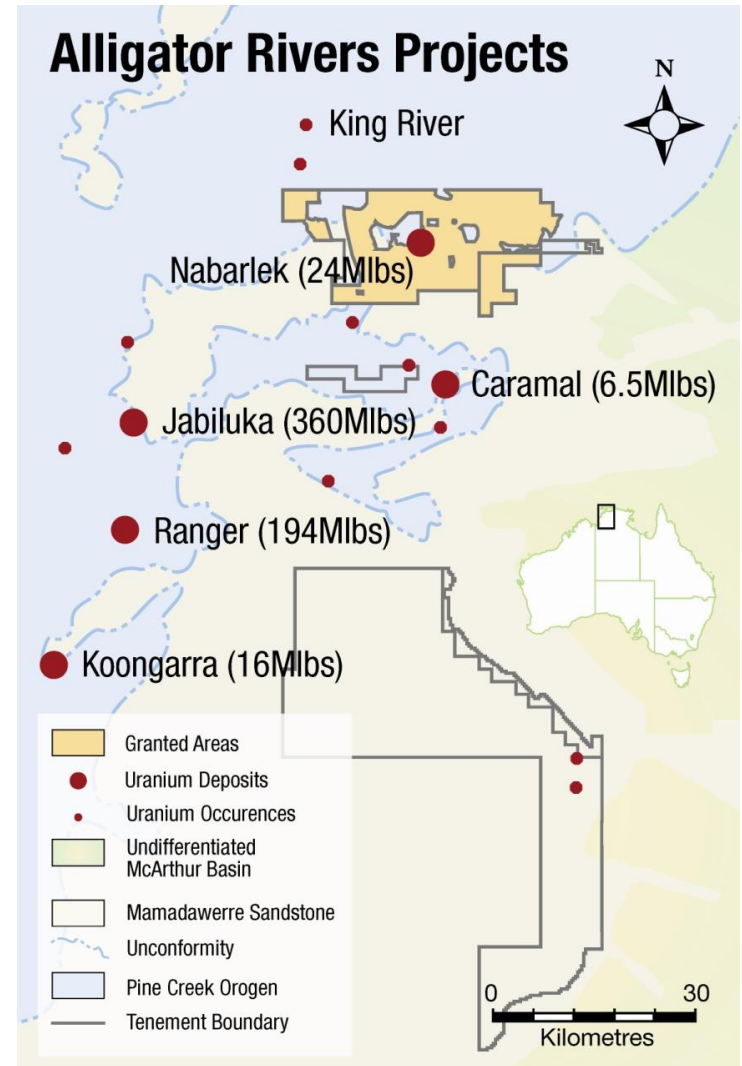
Exploration in Australia's Premier Uranium Districts



Nabarlek Project

- **Alligator Rivers Uranium Field:** a world-class uranium province
- **Nabarlek Mine:** Closed in 1988, mined 24.8Mlb U_3O_8 @ 1.84% with surface projection of 200m x 50m
- **Nabarlek Project:** 560km² in the heart of the Alligator Rivers Uranium Field including:
 - **Nabarlek Mine Lease – MLN962** (UEQ 100%)
 - Surrounding West Arnhem JV – UEQ earning 100% subject to Cameco 51% claw-back rights on 50Mlb U_3O_8 resource (at 4 times expenditure)

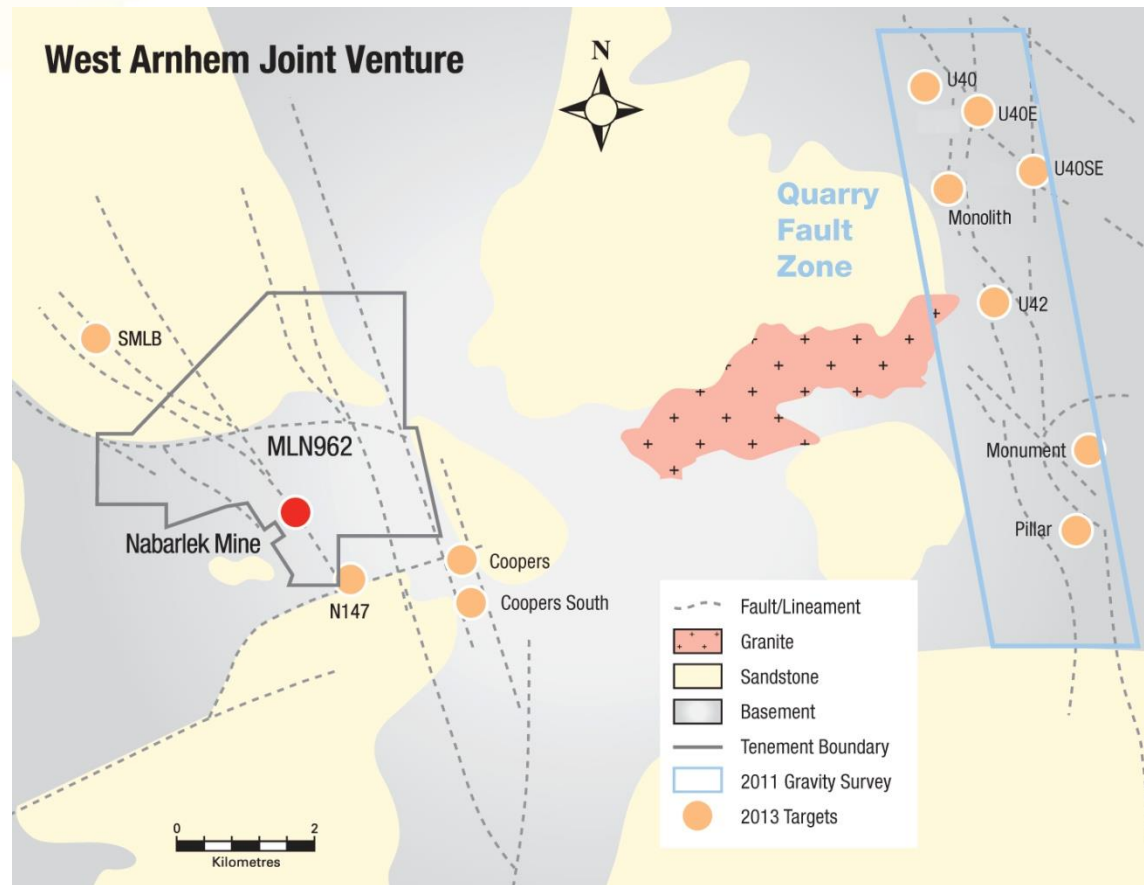
The place to discover world-class uranium deposits



Nabarlek – Identified mineralized zones

- Two important structural corridors
- Quarry Fault Zone:
 - U40 intersected +6% uranium with intense alteration signature and strong structural control
 - U40 East & Southeast – potential repetitions of U40 with geochem and/or radon anomalism
 - Monolith – significant untested quartz breccia structural zone
- Nabarlek – Caramal Structural Corridor: Near mine mineralised zones open along strike at
 - N147
 - Coopers
 - SMLB

Mineral system with potential to produce high grade uranium



Rudall River JV

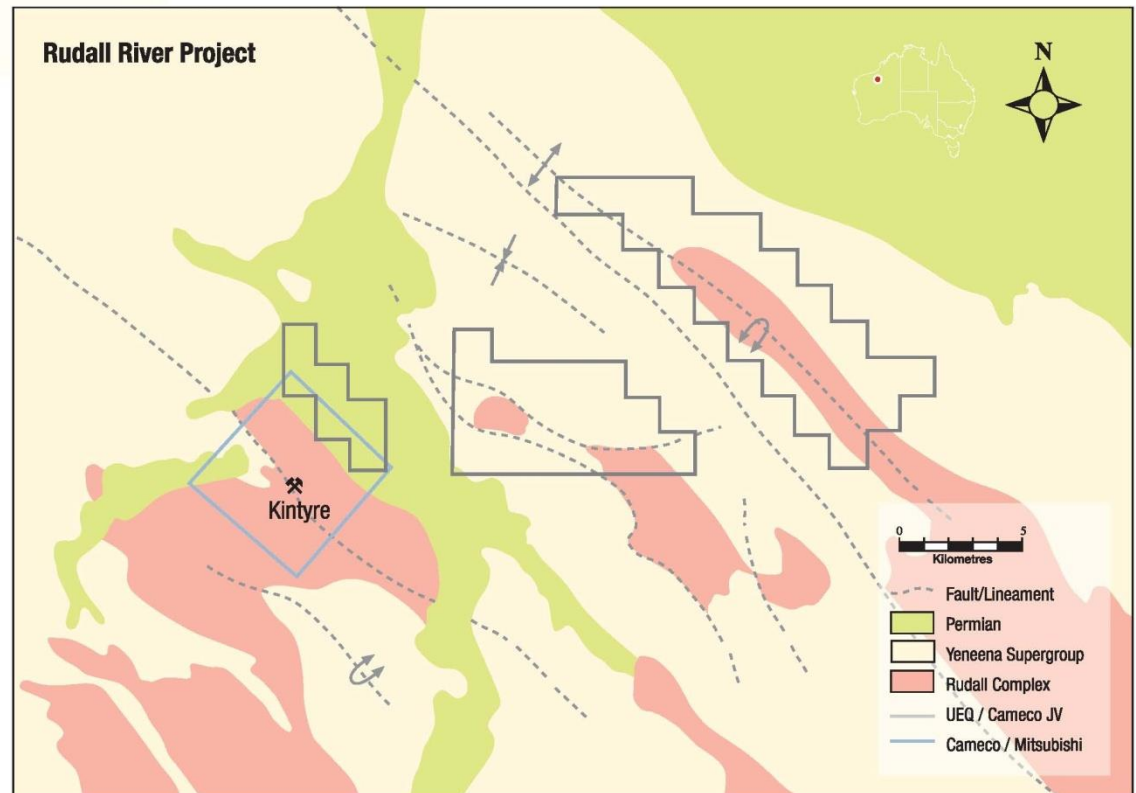
Brownfields exploration adjacent to Kintyre Deposit

Rudall River JV Project:

- UEQ free carried 15% interest (to Decision to Mine)
- Cameco earning to 85%

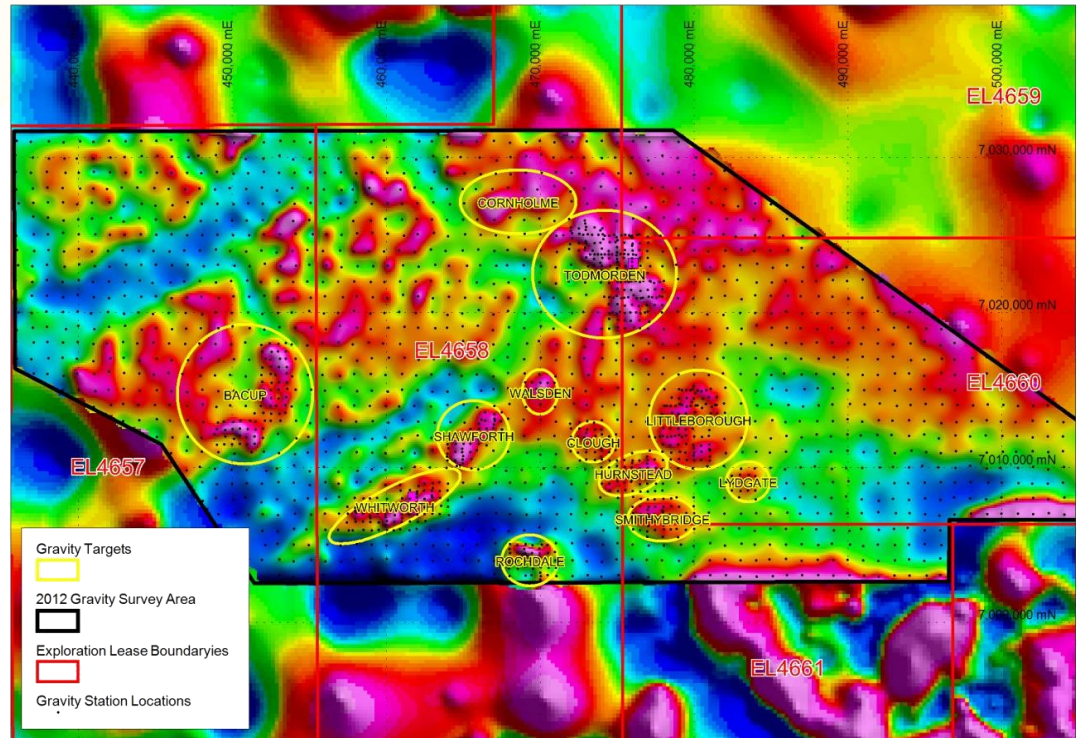
Exploration:

- Tenements now granted
- Cameco to start exploration in 2013
- Adjacent the Kintyre deposit purchased by Cameco/ Mitsubishi for US\$495 million in 2008
- Kintyre resource 55Mlbs @ 0.58% U_3O_8 (Cameco Corporation, Q2 2012 MD&A)



Oodnadatta & Marla Projects

- ~7,750km² of ELs on the northern margin of the Gawler Craton (UEQ 100%)
- Prospective for IOCGU deposits
- Co-incident magnetic and gravity highs identified in Todmorden Target Area (*right*)
- \$90,000 PACE 2020 co-funding grant for drilling in Todmorden Target Area
- Gravity survey completed May 2012



Coincident Magnetic and Gravity Targets identified from 2012 Gravity Survey at Todmorden Target Area

Multiple Growth Opportunities

High impact exploration and PhosEnergy commercialisation

PhosEnergy:

- Investigation into NewCo Demerger ongoing
- Seek commercial agreement with phosphate producer
- Refine PFS for specific phosphate producer
- Seek additional operating phosphate facilities to utilise Demonstration Plant asset and provide growth pathway

Exploration:

- Near-mine exploration targets at Nabarlek Project
- Mineral system with potential for very high grade around U40
- Carried exploration adjacent Kintyre Project
- Seek JV partners to progress IOGC + U projects in South Australia



Corporate Snapshot

Highly leveraged to exploration & development success

Capital Structure

Shares	299M
Fully diluted	305M
Market Cap	\$7.4M (at 2.5c)
Cash (Unaudited)	\$0.9M (at 30 Jun)

Major Shareholders

Directors	19.6%
Tim Goyder (Director)	17.2%
Calm Holdings	4.5%
Resolute Mining	3.8%
Top 20	57%

Major Shareholdings as at 22 May 2013

Board

Tony Kiernan	Chairman
Bryn Jones	Managing Director
Tim Goyder	Non Exec Director
Tom Pool	Non Exec Director

Management

Rolf Heinrich	CFO & Company Secretary
Grant Williamson	Manager Geology, Exploration
James Davidson	General Manager Urtek