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ASX Announcement

28 January 2011

ANNUAL STATEMENT OF RESERVES AND RESOURCES

The company has completed its annual assessment and reconciliation of reserves and resources for both Ranger and Jabiluka. The results are set out on the attached page.

Ranger Resources and Reserves

Resources at Ranger increased by 1,452 tonnes to 109,604 tonnes of contained uranium oxide. The majority of this increase is attributable to a greater abundance of potential heap leach feed (<0.08% U_3O_8) arising from a pit re-design.

The in-fill drilling programme conducted in 2010 increased resource confidence thereby enabling the conversion of a portion of the inferred resource to measured and indicated. Details of this programme can be found in the announcement released to the Australian Securities Exchange on 21 December 2010.

During 2010, reserves for Ranger decreased by 7,545 tonnes to 29,848 tonnes of contained uranium oxide as a consequence of depletion by processing and downward adjustments arising from the in-fill drilling programme and a pit re-design to mitigate geotechnical risk (as detailed in the announcement dated 21 December 2010), a grade adjustment to the '4s' stockpile and an additional pit redesign.

The table below sets out the reconciliation of reserves:

Ranger Reconciliation	**Contained U_3O_8 - tonnes**
Reserves as at 1 January 2010	37,393
Reserves depleted by processing	(4,459)
Other adjustments	
See Explanatory Notes	(3,086)
Reserves as at 31 December 2010	**29,848**

Explanatory Notes

In-fill drilling programme and pit re-design (as outlined in announcement dated 21 December 2010)	(2,400)
Grade adjustment to '4s' stockpile, a further pit re-design and uncertainty/rounding errors in the reconciliation estimation process	(686)
Net Adjustments	(3,086)

Jabiluka Reserves and Resources

The reserves and resources for Jabiluka remained unchanged at 67,700 tonnes and 73,940 tonnes of contained uranium oxide respectively.

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For further information on the company's activities please access ERA's website at
www.energyres.com.au

	AS AT 31 DECEMBER 2010 CUT-OFF GRADE IN SITU ORE 0.08% U_3O_8 STOCKPILE ORE 0.06% U_3O_8			AS AT 31 DECEMBER 2009 CUT-OFF GRADE IN SITU ORE 0.08% U_3O_8 STOCKPILE ORE 0.06% U_3O_8		
	Ore (MT)	GRADE (% U_3O_8)	CONTAINED U_3O_8 (tonnes)	Ore (MT)	GRADE (% U_3O_8)	CONTAINED U_3O_8 (tonnes)
RANGER ORE RESERVES						
Current Stockpiles	20.26	0.10	20,557	21.43	0.10	22,278
Ranger No. 3 Pit						
In situ						
Proved	3.48	0.21	7,219	3.19	0.24	7,709
Probable	1.12	0.19	2,072	3.06	0.24	7,406
Sub-total Proved and Probable Reserves	4.60	0.21	9,291	6.25	0.24	15,115
Total Ranger No. 3 Stockpiles, Proved and Probable Reserves	**24.9**	**0.12**	**29,848**	**27.69**	**0.14**	**37,393**

	CUT-OFF GRADE OPEN PIT IN SITU RESOURCE 0.02% U_3O_8 UNDERGROUND IN SITU RESOURCE 0.15% U_3O_8 STOCKPILE ORE 0.02% U_3O_8			CUT-OFF GRADE OPEN PIT IN SITU RESOURCE 0.02% U_3O_8 UNDERGROUND IN SITU RESOURCE 0.15% U_3O_8 STOCKPILE ORE 0.02% U_3O_8		
RANGER MINERAL RESOURCES IN ADDITION TO THE ABOVE RESERVE						
Current Mineralised Stockpiles						
Measured	38.11	0.04	15,092	44.54	0.04	17,248
In situ resource						
Measured	29.76	0.08	23,605	21.46	0.09	19,969
Indicated	57.45	0.11	63,818	53.22	0.11	60,998
Sub-total Measured and Indicated Resources	125.31	0.08	102,515	119.22	0.08	98,215
Inferred Resources	5.95	0.12	7,090	8.10	0.12	9,937
Total Resources	**131.27**	**0.08**	**109,604**	**127.23**	**0.09**	**108,152**

	As At 31 December 2010 CUT-OFF GRADE - 0.20% U_3O_8			As At 31 December 2009 CUT-OFF GRADE - 0.20% U_3O_8		
	Ore (MT)	GRADE (%U_3O_8)	U_3O_8 (tonnes)	Ore (MT)	GRADE (% U_3O_8)	U_3O_8 (tonnes)
JABILUKA ORE RESERVES						
Proved	-	-	-	-	-	-
Probable	13.80	0.49	67,700	13.80	0.49	67,700
Total Proved and Probable Reserves	**13.80**	**0.49**	**67,700**	**13.80**	**0.49**	**67,700**
JABILUKA MINERAL RESOURCES IN ADDITION TO THE ABOVE RESERVE						
Measured	0.24	0.48	1,140	0.24	0.48	1,140
Indicated	4.30	0.36	15,330	4.30	0.36	15,300
Sub-total Measured and Indicated	4.54	0.36	16,440	4.54	0.36	16,440
Inferred Resources	10.90	0.53	57,500	10.90	0.53	57,500
Total Resources	15.44	0.48	73,940	15.44	0.48	73,940

Note: Rounding differences may occur

As required by the Australian Securities Exchange, the above tables contain details of other mineralisation that has a reasonable prospect of being economically extracted in the future but which is not yet classified as Proved or Probable Reserves. This material is defined as Mineral Resources under the JORC Code. Estimates of such material are based largely on geological information with only preliminary consideration of mining, economic and other factors. While in the judgment of the Competent Person there are realistic expectations that all or part of the Mineral Resources will eventually become Proved or Probable Reserves, there is no guarantee that this will occur as the result depends on further technical and economic studies and prevailing economic conditions in the future.

The information in this report that relates to Ranger and Jabiluka Mineral Resources or Ore Reserves is based on information compiled by Geologists Greg Rogers (a full time employee of Energy Resources of Australia Ltd) and Arnold van der Heyden (a full time employee of Hellman & Schofield Pty Ltd and consultant to Energy Resources of Australia) and Mining Engineers Reid Miller and John Murphy (full time employees of Energy Resources of Australia Ltd) who are all members of the Australasian Institute of Mining & Metallurgy. Greg Rogers, Arnold van der Heyden, Reid Miller and John Murphy have sufficient experience which is relevant to the style of mineralisation and the type of deposit under consideration, and to the activity which they are undertaking to qualify as Competent Persons as defined in the 2004 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Greg Rogers, Arnold van der Heyden, Reid Miller and John Murphy consent to the inclusion in this report of the matters based on their information in the form and context in which it appears.