

20 March 2012

Companies Announcement Office Via Electronic Lodgement

COMPANY PRESENTATION

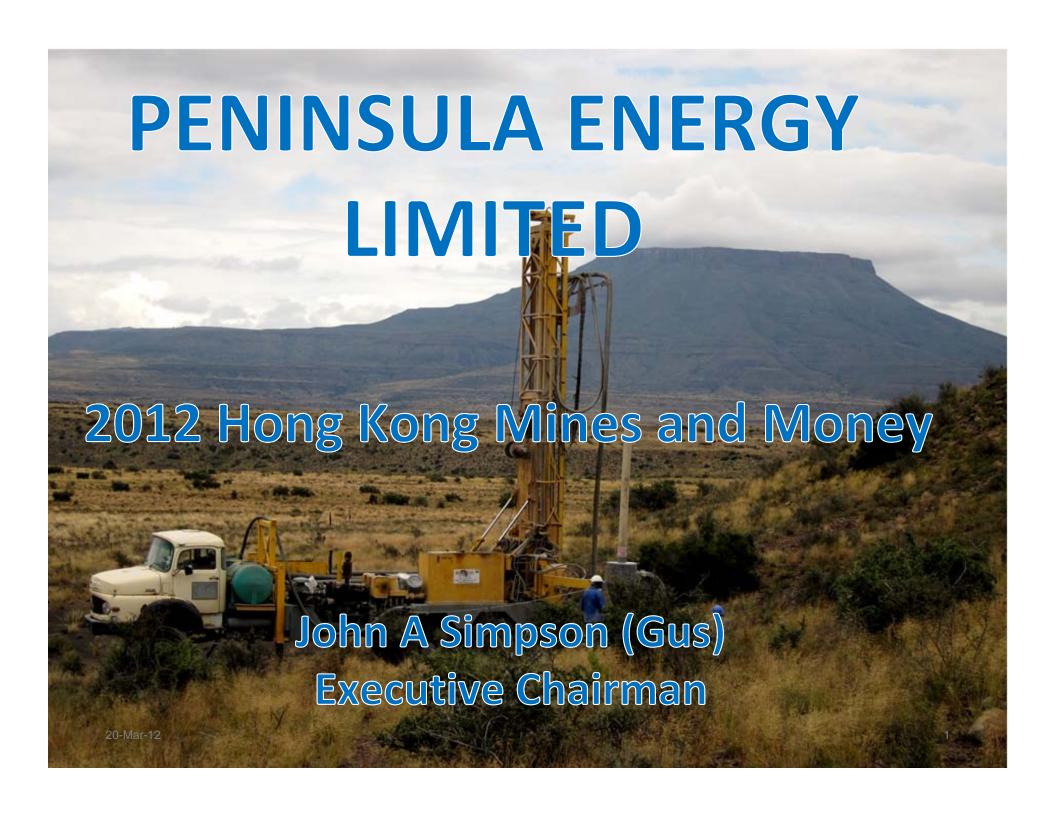
Please find attached a copy of the presentation scheduled to be made by Peninsula Energy Limited's Executive Chairman, Mr John (Gus) Simpson at Mines and Money Hong Kong 2012, at 12.30pm local time today.

A copy of the presentation can also be obtained from our website at http://www.pel.net.au.

Yours sincerely

Jonathan Whyte Company Secretary

For further information, please contact our office on +61 8 9380 9920 during normal business hours.





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The Exploration and Target Potential described in this presentation is conceptual in nature, and there is insufficient information to establish whether further exploration will result in the determination of a Mineral Resource



Competent Person

The information in this report that relates to Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Mr Alfred Gillman and Mr George van der Walt. Mr Gillman is a Fellow of the Australian Institute of Mining and Metallurgy. Mr Gillman is General Manager Project Development and is a Competent Person under the definition of the 2004 JORC Code. Mr van der Walt is a member of a Recognised Overseas Professional Organisation included in a list promulgated by the ASX (The South African Council of Natural Scientific Professions, Geological Society of South Africa). Mr van der Walt is a Director of Geoconsult International. Both Mr Gillman and Mr van der Walt have sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are undertaking as Competent Persons as defined in the 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Both Mr Gillman and Mr van der Walt consent to the inclusion in the report of the matters based on their information in the form and context in which it appears.

Please note that in accordance with Clause 18 of the JORC (2004) Code, the potential quantity and grade of the "Mineralised Potential" in this announcement must be considered conceptual in nature as there has been insufficient exploration to define a Mineral Resource and it is uncertain if further exploration will result in the determination of a Mineral Resource.

Where eU₃O₈ results are reported, it relates to values obtained from radiometric logging of drillholes. GeoVista and Geotron equipment was used and all the probes were calibrated at the IAEA accepted Pelindaba Calibration facility in South Africa with calibration certificates supplied by Geotron Systems (Pty) Ltd, a geophysical consultancy based in South Africa.

All eU_3O_8 values reported may be affected by issues such as possible disequilibrium and uranium mobility which should be taken into account when interpreting the results, pending confirmatory chemical analyses. Disequilibrium Explanatory Statement: eU3O8 refers to the equivalent U_3O_8 grade. This is estimated from gross-gamma down hole measurements corrected for water and drilling mud in each hole. Geochemical analysis may show higher or lower amounts of actual U3O8, the difference being referred to as disequilibrium.



Company Overview

- Emerging uranium producer listed on the (ASX:PEN) with established project pipeline and completed Feasibility Study
- Targeting 2.2mlbs U₃O₈ pa from Wyoming 2012 /13
- US\$207 million NPV
- US\$76 million free cash flow per annum (steady state production)
- Low CAPEX (Wyoming) initial development expenditure US\$63M
- 42mlbs JORC compliant resource and growing
- Targeting Karoo production 2016/2017
- Exploration potential 185–295mlbs U₃O₈ Wyoming and Karoo
- Strong supply / demand fundamentals for uranium

Existing **Uranium Demand Drivers**



- 434 operating nuclear power stations (Feb 2012) operated by 31 countries
- 240 research and medical isotope reactors
- 140 nuclear powered ships
- Consuming 200mlbs uranium p.a.
- One ton of natural uranium produces more than 40 million kilowatt-hours of electricity
- This is equivalent to burning 16,000 tons of coal or 80,000 barrels of oil
- Electricity generation costs

Gas and coal costs
 5.0c per Kwh

Nuclear costs
 0.7c per Kwh

Source: CNN interview CEO Southern Company Feb 2012



Future Uranium Demand

Reactor Units and Market Demand Forecasts by Region

TOTALS	441	183.9	478	213.1	534	254.5	573	276	622	292.8
South America	4	2	6	3	6	3	8	4	11	7
Africa & Middle East	2	1	3	1	8	5	15	10	22	12
Asia & Oceania	61	23	101	44	144	67	181	85	221	108
Eastern Europe	67	29	76	33	84	38	93	40	100	44
Japan	54	23	49	24	49	26	48	25	43	22
Western Europe	129	54	118	55	117	58	103	53	97	52
North America	124	52	125	54	126	59	125	59	128	60
Region	2010 Reactor Units	U₃08 Demand mIbs/pa	2015 Reactor Units	U₃08 Demand mlbs/pa	2020 Reactor Units	U308 Demand mlbs/pa	2025 Reactor Units	U₃08 Demand mlbs/pa	2030 Reactor Units	U308 Demand mlbs/pa

•61 NPP are in construction

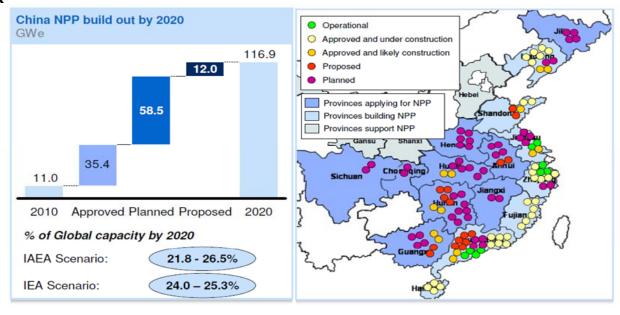
• 156 are in the approval stage

China, India and Eastern Europe will increase U consumption by 250% by 2030

Source : UxConsulting Q4 2011

China, India & Eastern **PEN Europe nuclear build out plan**

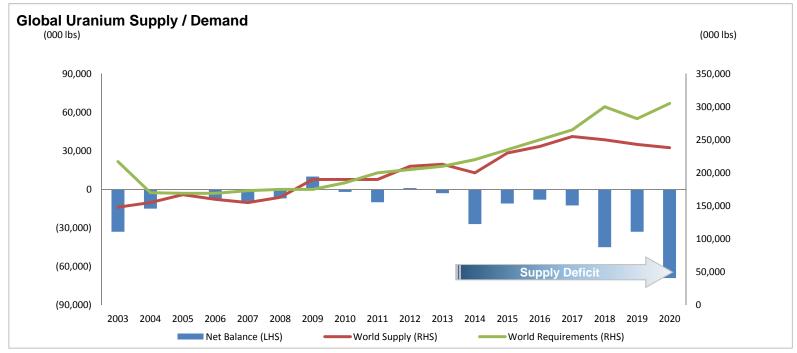
- Two billion people are pressing for a modern urban life style in China, India and Eastern Europe (CIEE) and this means Industrialisation
- The industrialisation/urbanisation of CIEE requires low cost power generation
- As this scales up it is increasingly needs to be low emissions power
- In the 21st Century low emission base-load power is ALL about NUCLEAR POWER



Uranium Supply



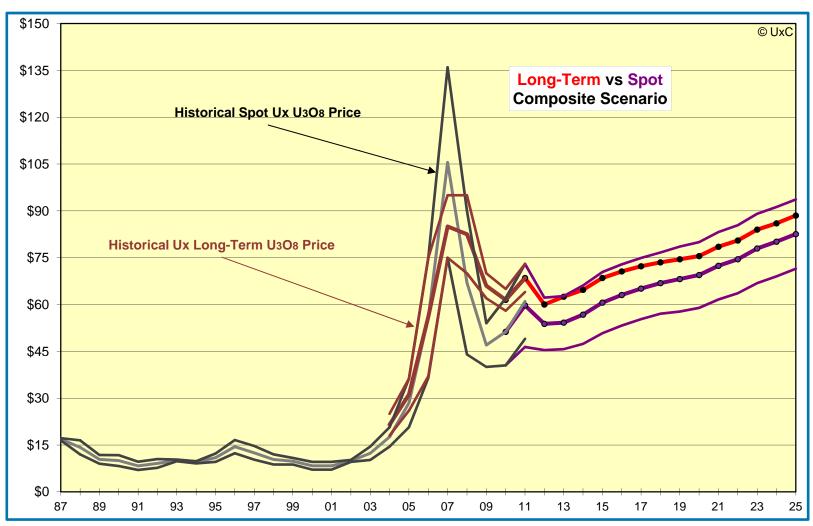
- Kazakhstan ISL U₃O₈ Production Growth:
 - 2000, 5mlbs 2008, 18mlbs 2009, 36mlbs 2011, 44mlbs 2012, 44mlbs est.
- Megatons to Megawatts program:
 Uranium recovery from nuclear weapons US utilities end of 2013 24mlbs
- Fukushima more likely to impact supply rather than demand



Source: : RBC Uranium Market Outlook June 2011



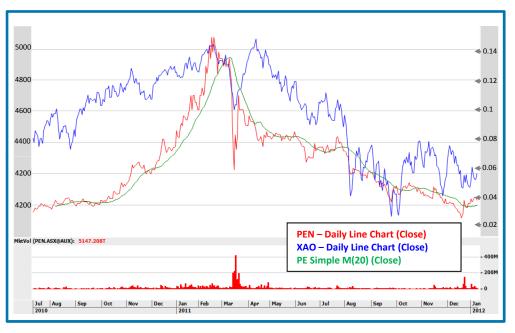
Long Term Uranium Price





Corporate

	Share Price
Shares on issue	2,150m
Share price	5.50
Market capitalisation	\$118m
Cash balance	\$16m
Debt	\$0
Enterprise value	\$1 02 m
Equity Facility	\$100m
Shareholding	
Directors & Associates	~ 20%
Top 20 shareholders	28.72%



Peer Comparison	Avg EV/Resource Multiple	Market Cap A\$
Uranerz	\$6.53	\$187m
UR Energy Inc	\$3.40	\$121m
Peninsula Energy Limited	\$2.42	\$143m

Options on Issue	Number	Strike	Expiry				
Listed options (PENOA)	402,847,569	3 c	30-Jun-12				
Listed options (PENOC)	467,354,574	3c	31-Dec-15				
Unlisted options	24,000,000	Various prices between 4c – 12.5c	Various dates from Sept 2012 – Dec 2015				
Performance Shares	18,500,000	Class C	30-Jun-14				



Directors and Management

Board of Directors

- Executive Chairman
- Executive Director Operations
- Technical Director
- Director
- Director
- Company Secretary

Executive Management

- Executive Chairman
- Executive Director Operations
- Technical Director
- COO & Tasman Pacific CEO
- Strata CEO

Wyoming Project Team

- Strata CEO
- ISR Mining Expert
- Exploration Manager Wyoming
- Hydrological Engineers
- Mine Permitting Engineers
- ISR Process Design Engineers
- Definitive Feasibility Study

Karoo Project Team

- Tasman Pacific CEO
- Exploration Manager
- Project Manager

Gus Simpson Strong leadership, corporate and project management skills

Malcolm James Strong corporate project mgmt and financing experience

Alf Gillman Highly experienced uranium geologist

Warwick Grigor Experienced mining analyst and corporate director

Mike Barton Charted Accountant with strong background in resources & finance

Jonathan Whyte Chartered Accountant and experienced Company Secretary

Gus Simpson Strong leadership, corporate and project management skills **Malcolm James** Strong corporate project mgmt. and financing experience **Alf Gillman** Highly experienced uranium geologist

- ? ? Senior mine construction and African operations engineer
- ? ? ISR mine construction and operation expert 25 yrs experience
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 Al Berglund ISR mining and extraction engineer, 35 yrs+ experience
 Jim Guilinger Highly experienced uranium geologist
 Petrotek Engineering Corporation
 WWC Engineering Experienced ISR permitting engineers
 Lyntek Inc. Denver based process design engineers
 Lyntek Inc. Denver based process design engineers
- ? Senior mine construction and African operations engineer Henri Lombard Experienced exploration manager John Simpson Open pit and underground mining consultant

Business Plan –



10mlbs per annum before 2025

- To commence ISR production at Lance Projects, Wyoming in 2012/13* building to 2.2mlbs U₃O₈ p.a. over 3 years (Plant capacity 3mlbs p.a.)
- Continue to develop the mineral potential at:

- Wyoming 95-145mlbs U_3O_8

- Karoo 90-150mlbs U_3O_8

Underpin balance sheet with profit from Wyoming

- Develop conventional mining and milling operation at Karoo Projects, RSA by 2016/17
- Look at near production acquisition opportunities in areas of existing operations to expand production at both CPP's
- Long term goal to be a 10mlbs per annum uranium producer before 2025

^{*} Subject to regulatory approval





Market Cap Per Pound of Production:

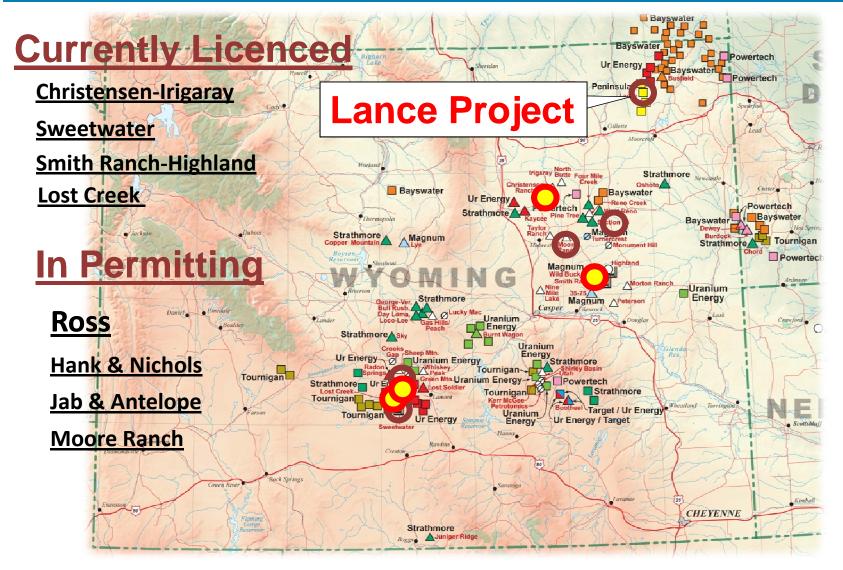
Company	Annual Production 2011 (approx. U ₃ O ₈ lbs)	Jan 31, 2012 Market Cap (US\$millions)	Pre Fukushima Market Cap (US\$millions)
Cameco	21,700,000	9,147	14,324
Paladin	5,700,000	1,608	3,677
Uranium One	10,500,000	2,501	5,704
ERA	5,800,000	846	1,186

Indicative Value as a function of Production:

	Production U ₃ O ₈ (lbs p.a.)	\$275 per pound of production	\$600 per pound of production
Market Cap	2,180,000	\$600,000,000	\$1,300,000,000
U3O8 production	6,000,000	\$1,650,000,000	\$3,600,000,000
levels	10,000,000	\$2,750,000,000	\$6,000,000,000

Lance ProjectsLocation & Wyoming Uranium



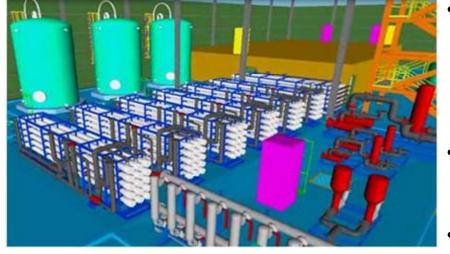


Lance Projects – Development Model





Central Processing Plant: Ion Exchange Vessels (left), Elution circuit (right)



Central Processing Plant: Reverse Osmosis System, Brine Tanks (rear)

41.4mlbs U₃O₈ JORC compliant resource

	Tonnes Ore	U ₃ O ₈	U₃O ₈	Grade
Resource Classification	(M)	kg (M)	lbs (M)	(ppm U₃O ₈)
Measured	3.6	1.7	3.7	479
Indicated	7.8	3.0	7.5	433
Total M+I	11.5	4.7	11.2	448
Inferred	33.1	13.7	30.2	414
Total	44.5	18.4	41.4	422

To build a 2.18mlbs per year ISR operation inclusive of:

- lon exchange facility ,centralised resin stripping ,drying and packaging plant at Ross (CPP)
- Remote ion exchange facility at Barber trucking resin to CPP

Commence production in 2012/13: Capex.

- Phase 1 750klbs p.a. Ross production unit \$63M
- Phase 2 750klbs p.a. Kendrick production unit \$21M
- Phase 3 750klbs p.a. Barber production unit \$60M
- Production expansion target of 3mlbs per year by 2017

Continue to delineate 95-145mlbs of uranium mineralisation through:

- Exploration within the other 11 project areas
- Exploration in the areas between the 13 projects

Acquisition of other projects

Lance ProjectsDFS Expanded Economic Study



Revenue (2011 base escalated at 2.6%)	US\$ per lb US\$ / Year \$62.58 \$164 million
Operating cash cost (C1) Royalties & Tax Total Operating Cash Cost	\$11.93 \$26 million \$10.80 \$24 million \$22.73 \$50 million
Ongoing Well Field Capital Depreciation & Amort (average) Total Production cost	\$8.82 \$19 million \$6.71 \$15 million \$38.26 \$84 million
EBITDA Tax (average) Net Profit after tax (excl. depletion) Free cash flow	\$95 million \$14 million \$66 million \$76 million
NPV (before tax)	\$207 million

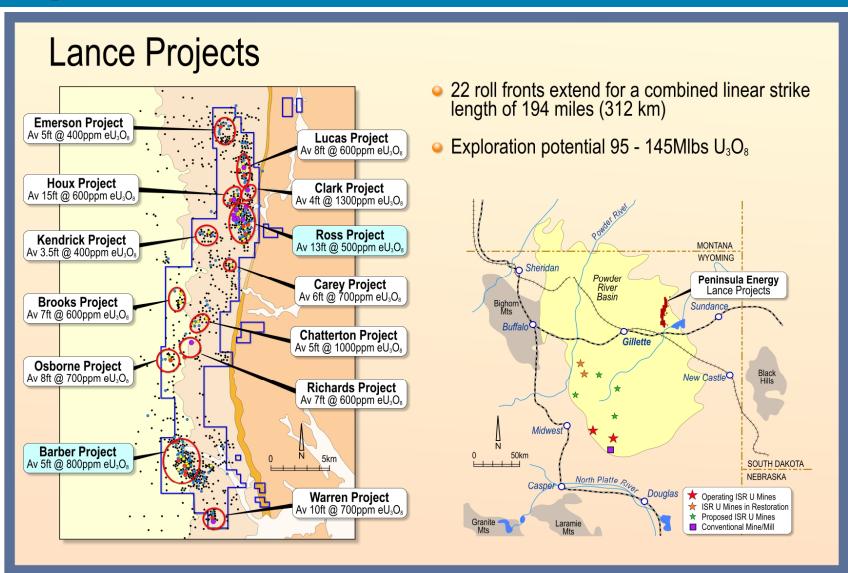
Steady State Production Assumptions

ISR mining with centralised plant

- 2.188mlbs pa U₃O₈
- Uranium grade 422ppm
- Estimated recovery 76%
- Initial Project Cap. Ex.\$63m
 Phase 2 (1.50mlbs pa)\$21m
 Phase 3 (2.19mlbs pa)\$60m
- Recovered resource 17.2mlbs U₃O₈
- Debt to Equity 60:40
- US\$76m decommissioning and restoration included in C1 costs
- NPV Assumptions
 - Interest rate 8%
 - Real discount rate 6%

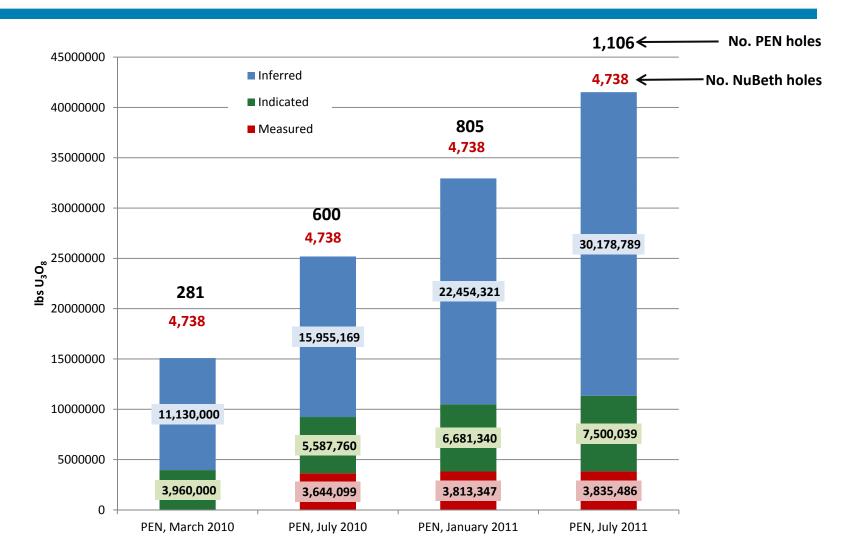
Lance Projects – Exploration Potential







Resource Growth-Trend



Drilling Post June 2011 Resource Upgrade



Hole ID	Easting	Northing	Total Depth (ft)	Intercept ft over PFN U3O8 grade ppm	From (ft)	GT	Peak Concentration Grade	
RMR1730	501106	4934667	920	15.5'@1530ppm	830.75	2.37	4'@5160ppm	
RMR1531	500813	4935919	880	21'@830ppm	714.75	1.74	11.5' @1150ppm	
RMR1415	501663	4936683	840	39'@436ppm	651	1.70	9.5' @ 890 ppm	
RMR1729	500766	4934567	1000	31'@485ppm	845.25	1.50	5.5'@1620ppm	
RMR1610	500838	4935590	860	26.5'@390ppm	716.25	1.03	6.5' @ 540 ppm	
RMRD0024	501664	4936683	710		638.75	0.99		
RMR1339	503403	4938305	600	23.5'@390ppm	431.75	0.92	2.5'@1110ppm	
RMR1694	501195	4934540	940	4'@1965ppm	800.25	0.79	2.5'@2990ppm	
RMR1595	500745	4935782	860	20.5'@371ppm	711.75	0.76	2.5'@1750ppm	
RMR1270	501784	4944022	460	5.5'@1080ppm	253.25	0.60	3'@1780ppm	Top 10 average 1.24GT
RMR1431	501672	4936775	840	7'@820ppm	680.25	0.57	6' @ 940 ppm	
RMR1660	500616	4934259	1000	7.5'@730ppm	848.25	0.55	3'@1140ppm	
RMR1325	503847	4939968	580	7.5'@650ppm	423.75	0.49	2.5' @ 1120ppm	
RMR1568	500787	4935796	840	10.5'@460ppm	703.25	0.48	2'@1000ppm	
RMR1265	503811	4939486	640	7.5'@590ppm	565.25	0.44	4'@930ppm	
RMR1273	503797	4939658	600	7'@630ppm	498.25	0.44	4'@910ppm	
RMR1501	500983	4936617	960	11'@390ppm	865.25	0.43	3.5'@730ppm	
RMR1290	502470	4943747	700	15.5'@270ppm	105.75	0.42	2.5'@590ppm	
RMRD0022	501784	4944020	280		254.75	0.42		
RMR1514	500794	4935918	880	17'@240ppm	714.25	0.41	2.5'@320ppm	Top 20 average 0.85GT

Lance Projects – PENINS Strategic Partner & Uranium Sales

First sale contract USA utility: Feb 2011

WAP \$75.60 per lb, 7 year contract – first delivery 2013 & 5.5% planned production

Boswell Capital: May 2011

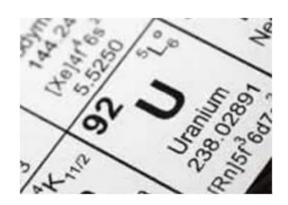
Specialist uranium advisory group, ongoing role evaluating juniors for utilities and completed DD on PEN

Negotiations advancing with utilities and trading houses

50% to Strategic partner with investment in PEN

30% with 3-4 utilities

20% to spot sales





Lance Projects - Permitting

Mine permitting on schedule

Deep Disposal Wells

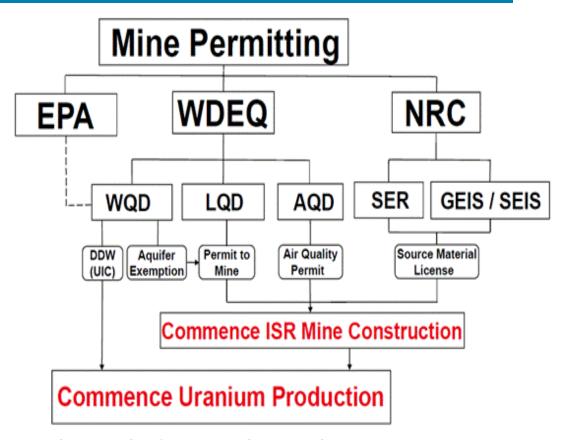
- · DDW feasibility study completed
- Licence application lodged
- Licence granted 30 March 2011
- Aquifer is deemed exempt

NRC Source Material Licence

- Technical reports completed
- Environmental reports completed
- Licence application acceptance
- Enviro & Tech review ongoing
- BLM acknowledged NRC lead

WDEQ Permit to Mine

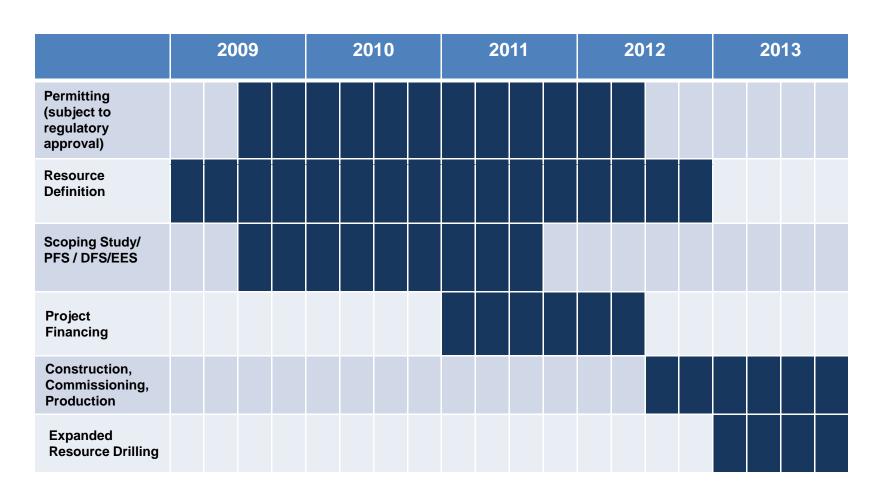
- Technical reports completed
- Environmental reports completed
- Licence applic. accepted
- Enviro & Tech review completed
- Grant on Bonding & CPP site purchase
- Air Quality Permit granted



WWC Engineering Services fast tracking the review and issue period for the required permits by:

- Implementing continuous process of review and discussion with all stakeholders
- Regular meetings with the NRC, EPA, WDEQ and BLM to discuss the progress
- Lodgement of composite application with all regulatory agencies

Lance Projects – PENINSULA PENINSULA PENINSULA PENERGY PENINSULA PENERGY PENINSULA PENERGY PENINSULA PENERGY PENINSULA PENINSU



Business Plan – 10mlbs per annum before 2025



- To commence ISR production at Lance Projects, Wyoming in 2012/13* building to 2.2mlbs U₃O₈ p.a. over 3 years (Plant capacity 3mlbs p.a.)
- Continue to develop the mineral potential at:

- Wyoming 95-145mlbs U_3O_8

- Karoo 90-150mlbs U_3O_8

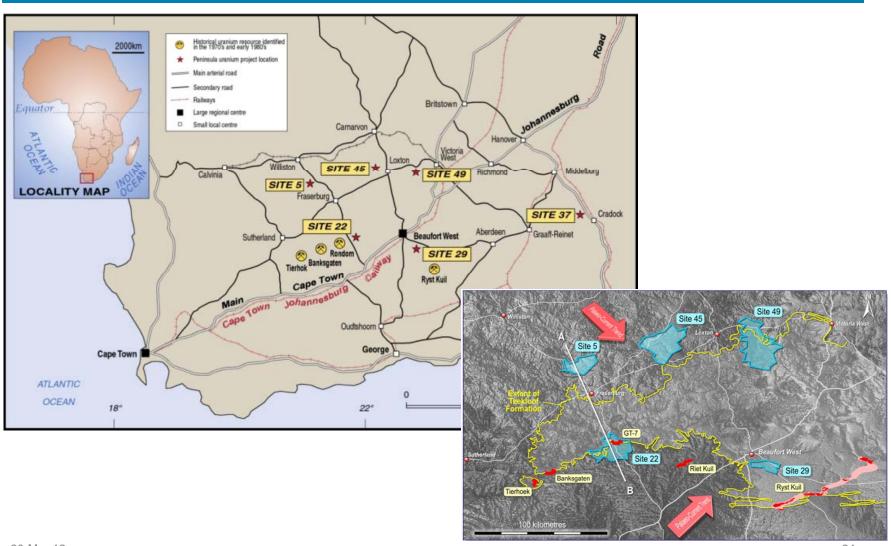
Underpin balance sheet with profit from Wyoming

- Develop conventional mining and milling operation at Karoo Projects, RSA by 2016/17
- Look at near production acquisition opportunities in areas of existing operations to expand production at both CPP's
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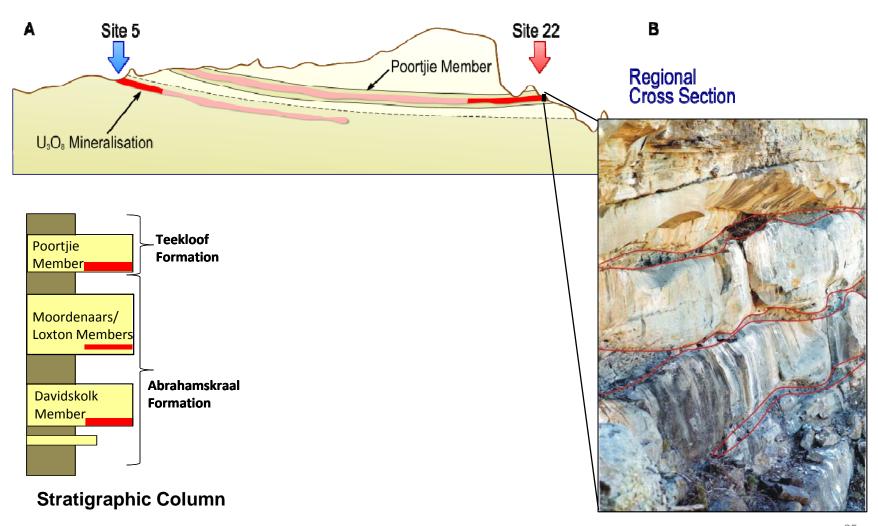
Karoo Projects - Location



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Karoo Projects - Regional PENINSULA ENERGY E Geology







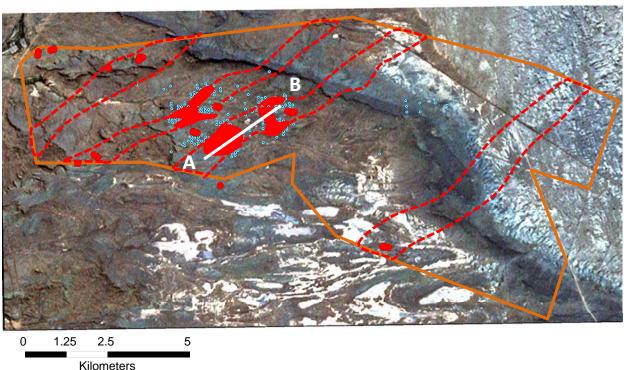
Raroo Projects – Mineral Potential

Exploration Potential	Tonnes (m)			ade U3O8)	U3O8 (mlbs)			
Range	From	То	From	То	From	То		
Total	36	60	1,200	1,400	90	150		

Historic Mineralisation	Tonnes	Grade (ppm eU₃Oଃ)	Total (eU₃Oଃ mllbs)
Site 22	860,000	1,480	2.8
Site 45	2,786,000	700	4.3
Site 29	246,000	1,107	0.6
Total	3,892,000	1,015	7.7



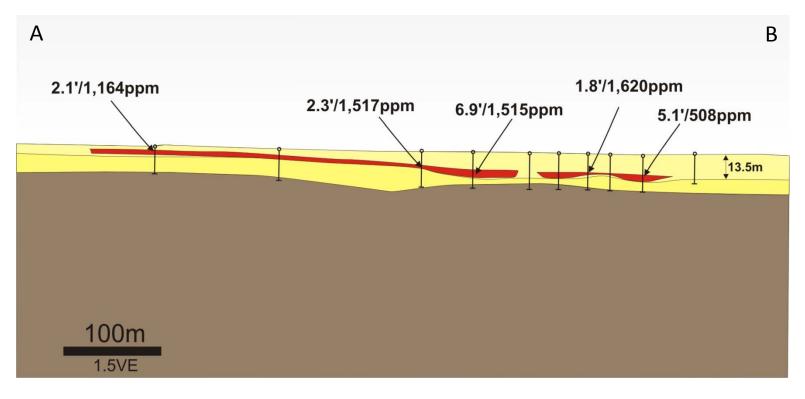
Site 29 Uranium Potential



- 108km² of Prospective Poortjie Sandstone
- 308 holes drilled by Union Carbide
- Drill-defined 600,000 lbs
 U₃O₈ at 1,107 ppm
- 214 RC twin and exploration holes completed in 2011
- 167 historic holes drilled re-probed
- Drilling confirmed high grade U₃O₈
- >5-8mlbs U₃O₈ potential
- Numerous un-tested uranium occurrences and channel systems



Site 29 Cross Section

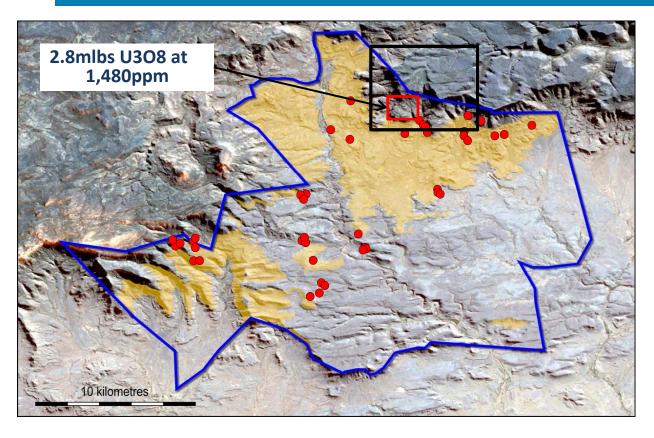


Diagrammatic composite section

181 intercepts >200ppm, 70 >1,000ppm



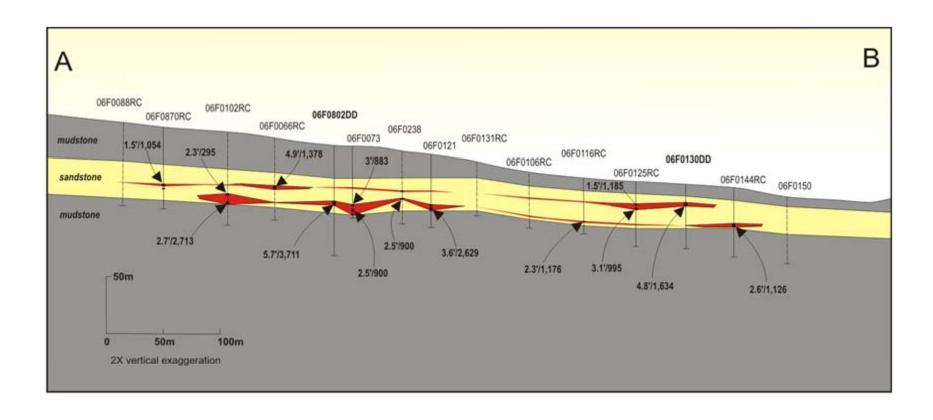
Site 22 Uranium Potential



- GT7 prospect 2.8mlbs drill-defined eU₃O₈
- 707 historic percussion holes drilled by JCI
- 118 RC holes and 4 diamond holes in 2011
- 160 historic holes drilled re-probed
- Stacked uranium bearing channels
- >15mlbs U₃O₈ potential
- Amenable to open-pit mining
- Numerous un-tested
 U₃O₈ occurrences



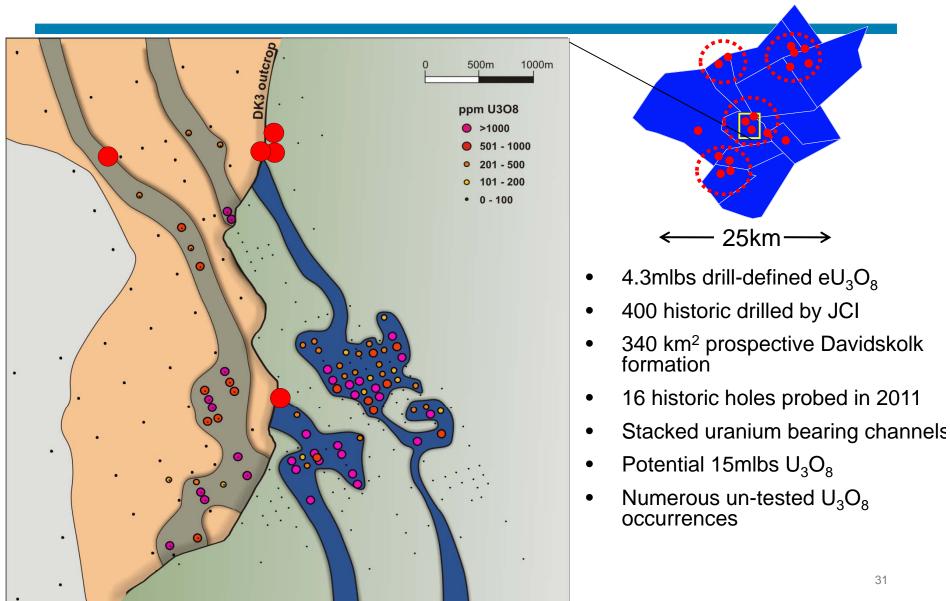
Site 22 Core Hole Cross Section



86 intercepts >1,000ppm, 272 intercepts >200ppm



Site 45 Uranium Potential





Karoo Projects - Project Schedule

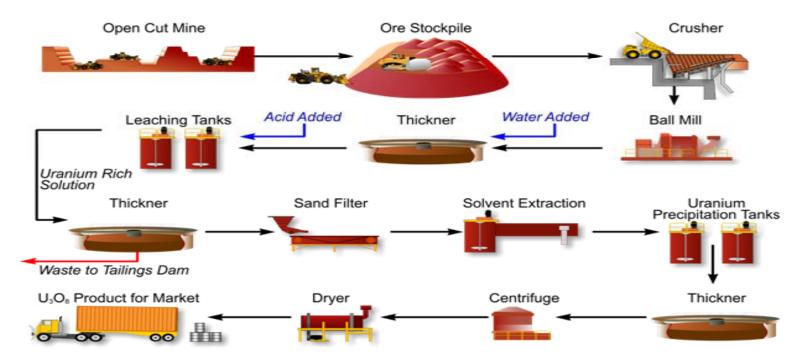
	2010		2011		2012		2013 2014		2015		2016		2017		
Resource Definition (JORC conversion)															
Internal Conceptual Study															
Ext. Scoping Study PFS/BFS															
Construction															
Commissioning Production															
Expanded Resource Drilling															



Karoo Projects - Development Model

- Multiple open-pits; with central processing facility at Site 29
- All sites within road-hauling distance
- Planning production in 2016/2017
- Continue to delineate > 120mlbs of uranium mineralisation

Process flow sheet





Karoo Projects - Conceptual Study

US\$ per lb	US\$ / Year
\$65-75	\$191 million
\$3.4	\$11.6 million
\$1.0	\$3.3 million
\$28.5	\$76.1 million
\$2.0	\$5.1 million
\$34.9	\$96 million
\$5.2	\$15 million
	\$14 million
	\$110 million
	\$29 million
	\$81 million
	\$211 million
	\$65-75 \$3.4 \$1.0 \$28.5 \$2.0 \$34.9

Assumptions

30% tax, Interest Rate 8%, Real Discount Rate 10%, 60:40 Debt to Equity Ratio

Assumptions

- Open-pit mining with conventional milling
- Central processing facility at Beaufort West near Site 29
- 30mlb U₃O₈
- 3mlbs pa production
- Estimated recovery 90%
- Estimated capital cost US\$197 million

Figures are indicative only and developed for internal project evaluation purposes



Investment Highlights

- Emerging uranium producer listed on the (ASX:PEN) with established project pipeline and completed Feasibility Study
- Targeting 2.2mlbs U₃O₈ p.a. from Wyoming 2012 /13
- US\$207 million NPV
- US\$76 million free cash flow per annum (steady state production)
- Low CAPEX (Wyoming) initial development expenditure US\$63M
- 42mlbs JORC compliant resource and growing
- Targeting Karoo production 2016/2017
- Exploration potential 185–295mlbs U₃O₈ Wyoming and Karoo
- Strong supply / demand fundamentals for uranium



Targeted Milestones

•	April 2010: Initial JORC Resource at Lance✓	Mar 2012:	4 th revised JORC resource
•	May 2010: Pre-feasibility study completed✓	Mar 2012:	Optimised FS completed
•	July 2010: Revised JORC compliant resource ✓	Mar 2012:	Decision to Mine
•	Dec 2010: Submit final licence applications✓	May 2012:	Permit to Mine
•	Jan 2011: 2 nd revised JORC Resource√	June 2012:	Initial Karoo resource
•	Feb 2011: Uranium sales contract√	June 2012:	Strategic Partner
•	Mar 2011: Karoo drilling results✓	June 2012:	Project Funding
•	April 2011 DDW Licence granted✓	Aug. 2012:	Project Construction
•	July 2011: 3 rd revised JORC Resource✓	2013:	NRC Source Material Licence
•	Dec 2011: Definitive Feasibility Study complete ✓	2013:	Yellowcake production target