

Delivering power to the people

ASX RELEASE ASX:AFR

12 October 2016

ROADSHOW PRESENTATION

African Energy Resources advises that the following presentation providing investors with an update on progress at the Company's power projects in Botswana, shall be presented to various investors and brokers in Australia this week, including at the Canary Stocks to Watch Roadshow in Melbourne on the 12th and Sydney on the 13th.

For any further information, please contact the Company directly on +61 8 6465 5500.





Developing Multiple Power Projects in southern Africa; Company Update

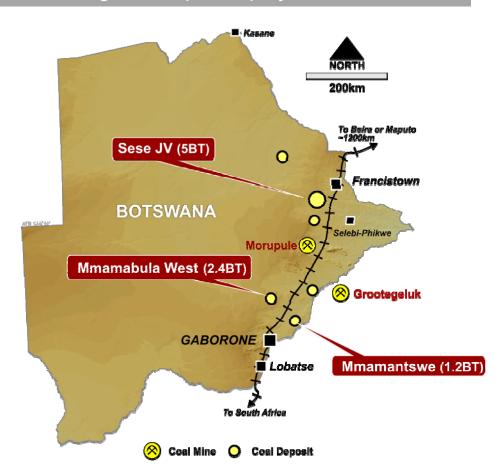
October 2016

AFR: Company overview



AFR is participating in the development of three large-scale power projects in Botswana

- African Energy has built a portfolio comprising over 8.5 billion tonnes of thermal coal* in three projects in Botswana, the safest and most stable investment destination in Africa
- All three projects are being developed as 300-600MW fully integrated power projects to supply the chronically power starved SADC region
- All three projects are to be funded to investment decision point by development partners, minimal cash required from AFR
 - Sese JV: managed by First Quantum Minerals Ltd, targeting power sales to Zambia
 - Mmamabula West: Term sheet executed with a South African developer to enter into a Joint Venture Agreement to rapidly progress a 600MW power project for South Africa
 - Mmamantswe: Agreement to sell project to South African developer (TM Consulting) for US \$20M at financial close



^{*} Refer to Appendix 1 Resource Statement

Corporate summary



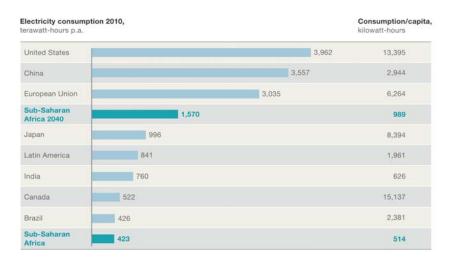
	Diı	rectors and Senior Management		ASX Code	AFR
	Alasdair Cooke	Executive Chairman, >25 years experience in project development, mining and resource sector		Shares on issue	608 million
	Frazer Tabeart	Managing Director, >25 years experience in international		Market Cap (@ \$0.04)	AUD \$24M
		exploration and development projects,		Cash (30 Sept 2016)	AUD \$5.0M
	Bill Fry	Executive Director, >25 years experience in finance, funds management and commercial management		Debt	Nil
	Valentine Chitalu	Non-executive Director, >25 years experience in finance and funds management, based in Zambia			
	Phil Clark	Non-executive Director, >35 years experience in		Major Shareholders	
	i illi olark	international coal industry, largely with BHP Billiton		The Sentient Group	23%
	Wayne Trumble	Non-executive Director, >35 years experience in power generation and financing, including Bluewaters (WA)	I	First Quantum Minerals	11%
	lan Hume	Non-executive Director, >35 years experience in	П	Management	10%
		international finance, one of the founders of Sentient Group		Top 20	62%
	John Dean	Non-executive Director, Commercial Manager at First Quantum's Sentinel copper operation in Zambia			
	David Walton	Project Manager, >30 years experience with power development, generation and power sales/marketing			
	Daniel Davis	Company Secretary and Financial Accountant, >12 years experience in accounting and resource sector		HERE .	
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Regional power demand – strong growth forecast

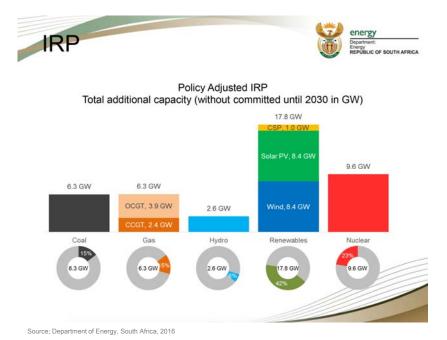


- Sub-Saharan Africa (SSA) has highest forecast population growth globally
- Forecast growth in power demand is linked to population growth and rising living standards
- > Population is forecast to double between 2010 to 2050, with energy consumption forecast to double in same period
- > This is driving large procurement programs e.g. South Africa's Integrated Resource Plan (IRP)

Although sub-Saharan Africa consumes less electricity than Brazil, by 2040 its demand will reach a level equal to 2010 consumption in Latin America and India combined.



Source: Key World Energy Statistics, Organisation for Economic Co-operation and Development and the International Energy Agency, 2013, iea.org; World Development Indicators, World Bank Group, worldbank.org



Regional demand for new power supply is strong



Industrial demand in the Copperbelt and Bushveld, plus growing population is driving a strong, long-term regional market for new power generation

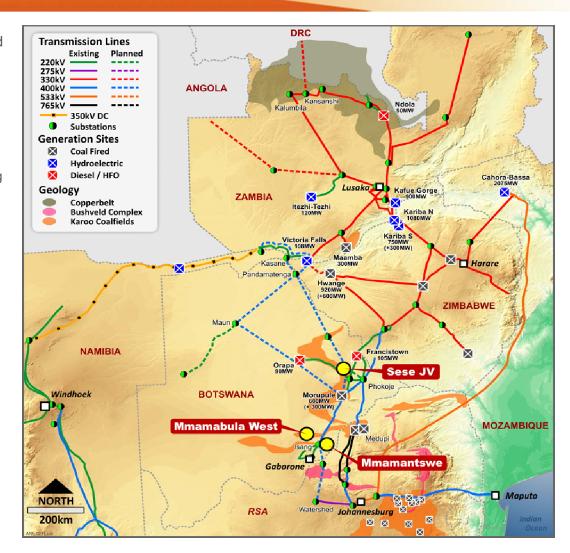
Limited competition for new base load supply:

- Zambian hydro-electric projects (comprising ~80% of Zambia's installed base load capacity) are struggling during droughts, very limited alternative fuels for base load power, currently importing expensive diesel generated power
- South Africa formally seeking 3,750MW via cross-border, coal-fired, IPP procurement program
- AFR is well placed to supply these markets due to geographic proximity and abundant low-cost coal which provides fuel security

Key infrastructure already in place:

well developed regional interconnected transmission grid allows wheeling of power throughout the region via SAPP (Southern Africa Power Pool), with a number of key upgrades already planned

Land-linked - not stranded assets!



African Energy's portfolio



Regional power shortage in all SADC countries

AFR controls large coal resources in a safe jurisdiction near the SAPP hub

Individual project plans have been matched to market opportunity

Portfolio risk reduced via multiple projects, each with a different
development partner, and seeking access to multiple markets

PORTFOLIO MANAGEMENT



SESE JV:

- · Power sales to Zambia
- First Quantum Minerals
 Ltd (FQML) earning up to
 75% project interest
- Funded by FQML to financial close
- No further costs to AFR
- Engineering and project management skills of FQML to benefit project during construction
- AFR 25% interest, loan carried to production



MMAMABULA WEST:

- Power sales to RSA
- Negotiating JV with with strong business partner
- To be funded by partner to key development decision
- Large resource with potential to develop multiple 600MW projects
- Coal quality and mining style suitable for low cost power station fuel
- AFR to retain significant equity in the project



MMAMANTSWE:

- · Power sales to RSA
- Strategic location within 20km of RSA border
- Funded by South African partner, TM Consulting, to financial close
- No further costs to AFR
- AFR retains 100% ownership until financial close
- AFR to sell project for US \$20M if TMC reaches financial close

PROJECT MANAGEMENT



The Sese JV: Summary



First Quantum Minerals Ltd (FQML) will invest up to A \$20M in the Sese JV

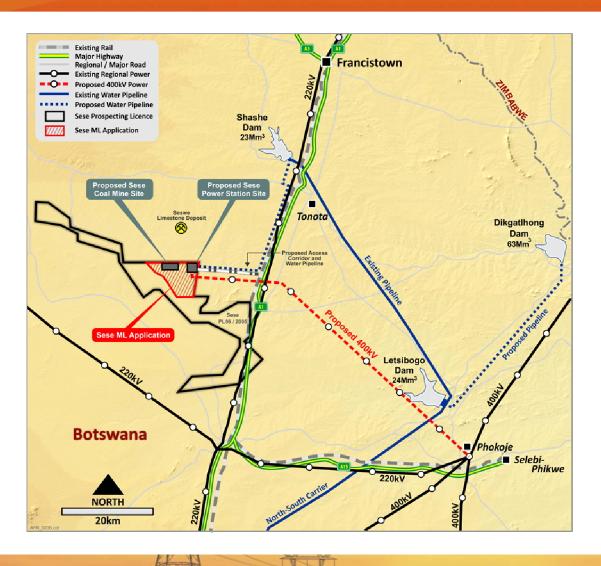
- A \$10M invested to date by FQML to take a 55% interest and management of JV
- FQML sole funding the next A \$10M to increase its interest to 75%
- Funding being used to investigate the development of a fully integrated coal mine and mine-mouth power station
- New \$3M work program commenced in August 2016 to advance technical studies and permitting
- Remaining \$7M to be invested in project by 12th July 2017



15,000t bulk sample pit excavated by AFR at the Sese project

Sese JV: Project overview





- Approved EIA for 300MW of power and associated coal mining
- Approved water allocation from Shashe Dam sufficient for 750MW
- 50-year Land Lease Agreement covering 110km² surface rights area has been signed
- Application submitted for a 51km² Mining Licence
- Enough coal in ML to fuel multiple power projects for >35 yr
- Proposed grid connection to Phokoje sub-station opens up power markets in Botswana, Zambia, South Africa, Namibia
- Transmission studies for power evacuation to Zambia completed

The Sese JV: Current work program

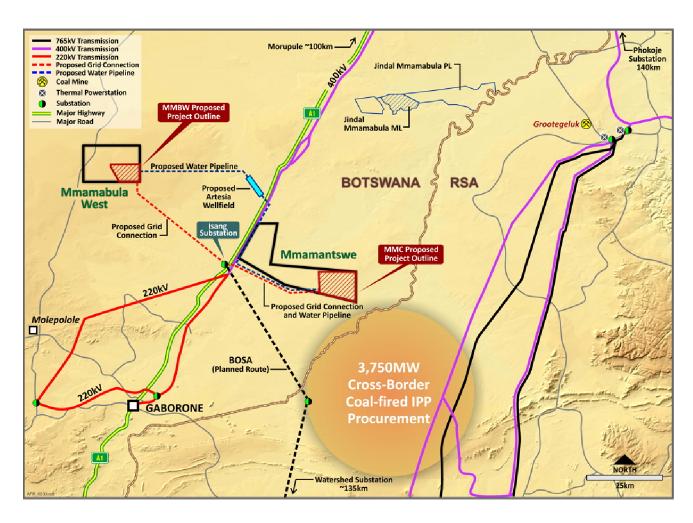


AUD \$3M commitment to technical, commercial and permitting programs

- Large diameter drilling program has commenced:
 - ➤ will collect ~1,000kg coal for combustion testing and physical handling test work
 - > will lead to the finalisation of the fuel specification for the proposed power station
- Preliminary power station design and layout will commence later this year
- > Preliminary geotechnical evaluations of proposed power station and mine infrastructure sites are underway
- Update to the mining study and mine scheduling to meet the requirements for an expanded 450MW integrated power project (staged development of 2 x 225MW units) will commence later this year
- Hydrogeological studies at the proposed mine site to characterise aquifers for the mining study and environmental management plan will commence later this year
- Commencement of early site works to include upgrading the access road and preliminary siting of camp facilities
- Update the Environmental Approvals and mining operations plan to allow up to 450MW of power generation and associated coal mining and coal processing (from current 300MW approval levels)
- Finalise Water Supply Agreement
- > Negotiate power sales agreement, grid connection agreement and power wheeling agreements

South Africa: the biggest regional market for power sales African Energy





South Africa has announced a **3,750MW** coal-fired, cross-border, base-load IPP procurement program:

- > Includes mechanism for direct negotiation with the Dept. of Energy (the "Procurer") for power sales agreements with Eskom
- > Targeting grid connection "ASAP"
- > Commitment to additional regional transmission infrastructure such as BOSA

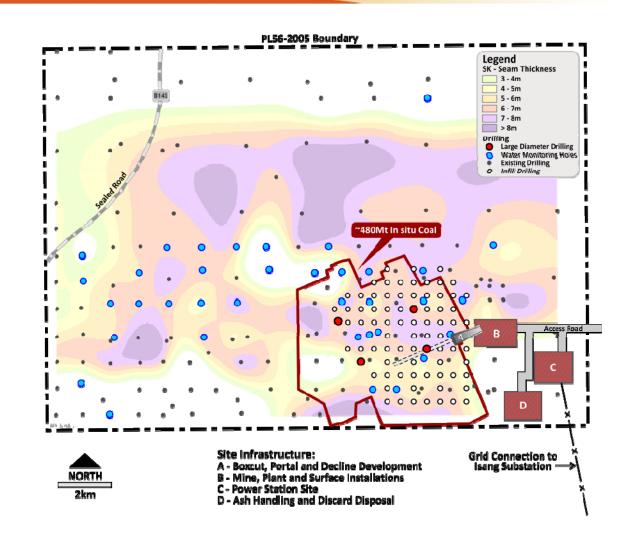
Projects in Botswana may account for a significant component of this procurement program due to limited competition from other countries

Mmamabula West and Mmamantswe are both close to Isang sub-station, and close to main demand centers in the northern Bushveld

Mmamabula West: 600MW development opportunity



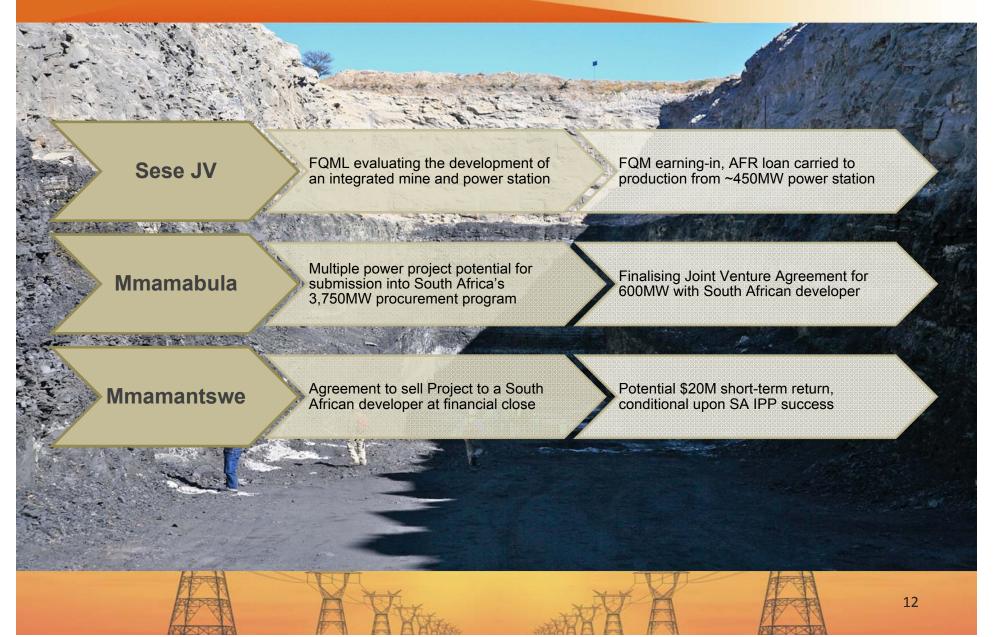
- PFS for an underground coal mine completed in 2014 – potential for low cost ROM coal*, suitable for use as power station fuel
- Joint Venture Agreement being negotiated with an experienced South African developer
- Coal mining EIA being amended to include 600MW power generation plus associated grid connection
- Surface Rights application to be submitted Q4 2016
- Fuel specification development program close to finalisation
- Hydrogeological baseline studies underway
- Aim to complete all required technical studies and permitting activities to allow formal project submission to South Africa's IPP office in 2017



^{*} Refer to Prefeasibility Study results announced to ASX in May 2014

Summary – a strong project pipeline





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Information in this report relating to Exploration results, Mineral Resources or Ore Reserves is based on information compiled by Dr Frazer Tabeart (an employee of African Energy Resources Limited) who is a member of The Australian Institute of Geoscientists. Dr Tabeart has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person under the 2012 Edition of the Australasian Code for reporting of Exploration Results, Mineral Resources and Ore Reserves. Dr Tabeart consents to the inclusion of the data in the form and context in which it appears.

Appendix 1: Global AFR Coal Resource Statement



Global Coal Resources for AFR Limited Coal Projects in Botswana

Sese Coal & Power Project: Resource Summary (Raw coal on an air-dried basis), FQML 55%, AFR 45%									
Resource Zone	In-Situ Tonnes*	CV (MJ/kg)	CV (kcal/kg)	Ash %	IM%	VM%	FC%	S %	
MEASURED (Block-C)	333 Mt	17.6	4,200	30.2	7.9	20.6	41.4	2.1	
MEASURED (Block-B)	318 Mt	16.0	3,820	34.8	7.4	20.4	37.4	1.7	
INDICATED	1,714 Mt	15.3	3,650	38.9	6.6	18.7	35.8	2.0	
INFERRED	152 Mt	15.0	3,600	39.1	6.4	19.5	34.9	2.2	
TOTAL	2,517 Mt								

Sese West Project: Resource Summary (Raw coal on an air-dried basis) FQML 55%, AFR 45%									
Resource Zone	In-Situ Tonnes*	CV (MJ/kg)	CV (kcal/kg)	Ash %	IM%	VM%	FC%	S %	
INFERRED	2,501Mt	14.6	3,500	40.2	6.1	19.8	31.9	2.0	
TOTAL	2.501Mt			-	-	-			

Mmamabula West Project: Resource Summary (Raw coal on an air-dried basis) AFR 100%									
Resource Zone	In-Situ Tonnes*	CV (MJ/kg)	CV (kcal/kg)	Ash %	IM%	VM%	FC%	S %	
MEASURED	N/A								
INDICATED	892 Mt	20.2	4,825	25.5	6.0	26.0	41.0	1.5	
INFERRED	1,541 Mt	20.0	4,775	25.5	5.7	25.9	41.2	1.7	
ΤΟΤΔΙ	2 433 Mt		<u> </u>	<u> </u>	·				

Mmamantswe Project: Resource Summary (Raw coal on an air-dried basis) AFR 100%									
Resource Zone	In-Situ Tonnes*	CV (MJ/kg)	CV (kcal/kg)	Ash %	IM%	VM%	FC%	S %	
MEASURED	978 Mt	9.5	2,270	56.5	3.9	15.8	21.8	2.0	
INDICATED	265 Mt	7.9	1,890	62.3	3.3	14.2	18.1	2.1	
INFERRED	N/A								
TOTAL	1,243 Mt								

^{*} In-Situ tonnes have been derived by removing volumes for modelled intrusions, burnt coal and weathered coal and then applying geological loss factors to the remaining Gross In-Situ Tonnes