



Unlocking the Potential of Botswana's Coalfields

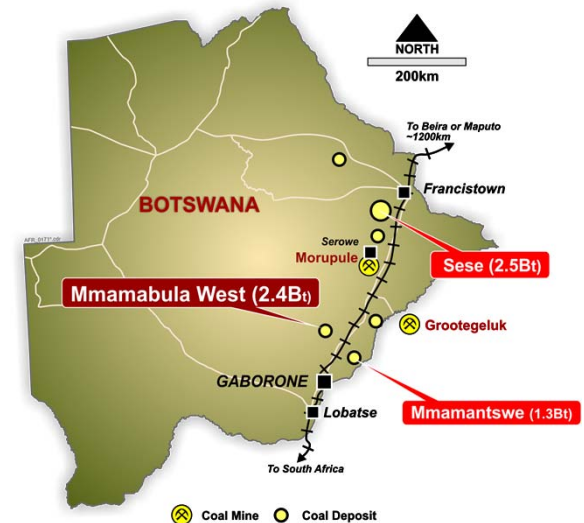
With a focus on Power and Export Markets

February 2014

Company Overview



- ① 6.2 Billion tonnes of thermal coal
- ② Low sovereign risk
- ③ Robust markets identified
- ④ Project portfolio matched to markets
- ⑤ Infrastructure in place
- ⑥ Water resources secured



Markets for AFR's Botswana coal



1. Domestic power generation

- AFR in a very strong position due to location and low generation cost
- 300MW “greenfield” tender underway

2. Power generation for export

- Growing unsatisfied regional demand in South Africa and to a lesser extent in Zambia and Namibia

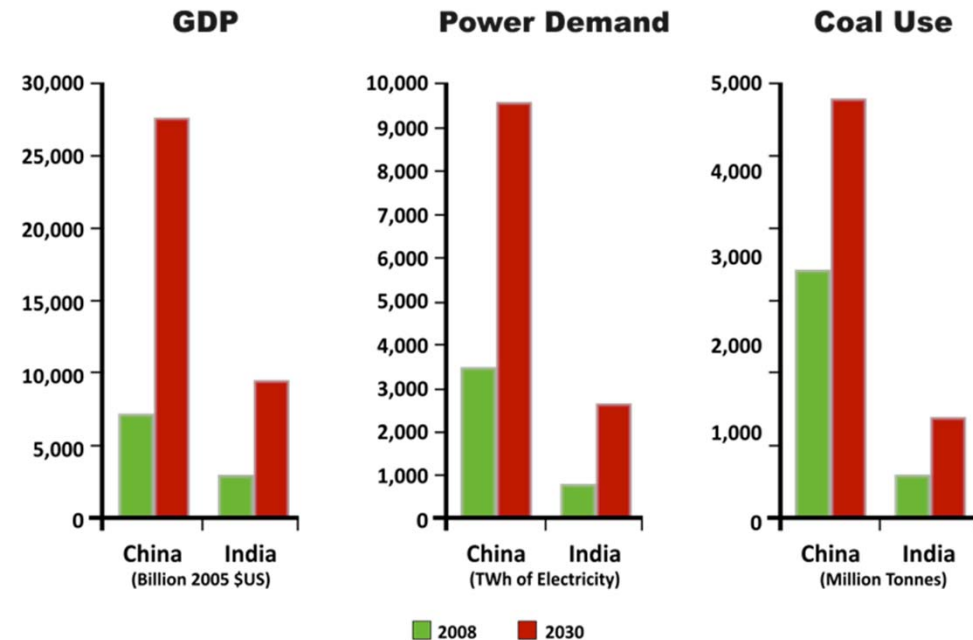
3. Regional coal exports

- To meet expected shortfalls in domestic coal availability for power generation in South Africa

4. Seaborne global coal market to Asia

- Export via existing rail and port networks to Asian markets

Enormous Growth in GDP Power Use



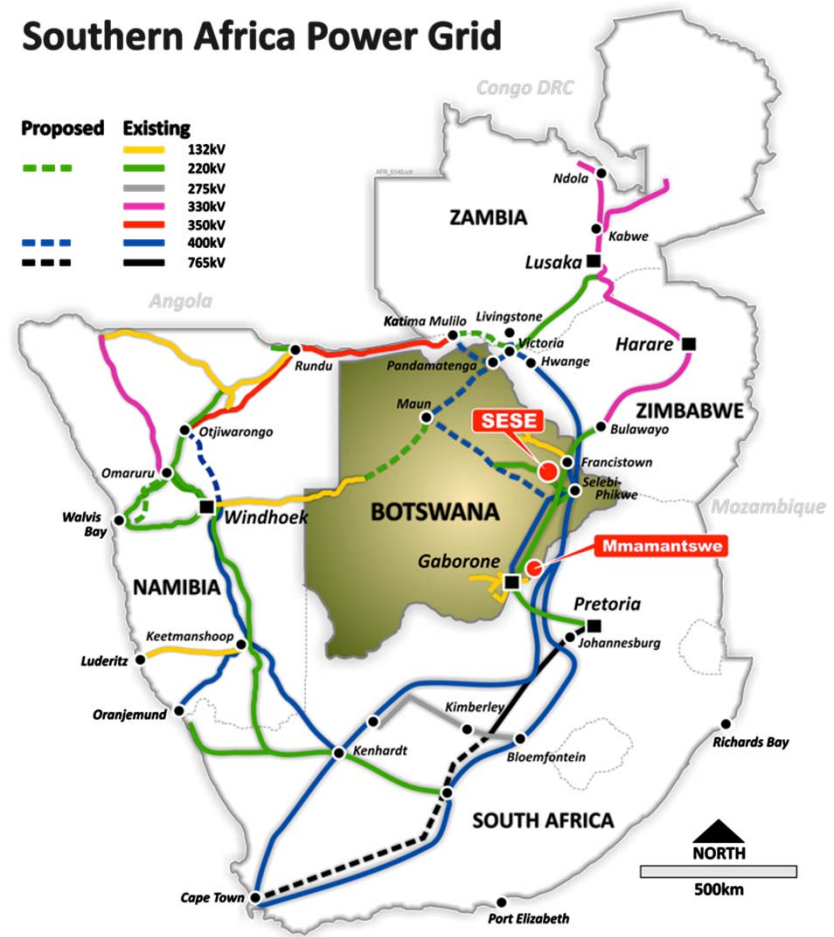
Source: U.S. Energy Information Administration, International Energy Outlook 2010 (GDP; power demand, coal use).

Business Plan 1: Power Generation



1. Sese coal can support multiple 300MW projects for regional power
 - Very low strip ratio and raw coal quality suited to low-cost power generation
 - Close to existing transmission grid and planned grid extensions
 - Matched to power markets in Botswana and neighboring countries
 - Joint Development Agreement with ACWA Power International
2. Mmamantswe project to focus on South African power market
 - Project is less than 20km from South African, the largest regional power market
 - Economies of scale for >1,000MW power project

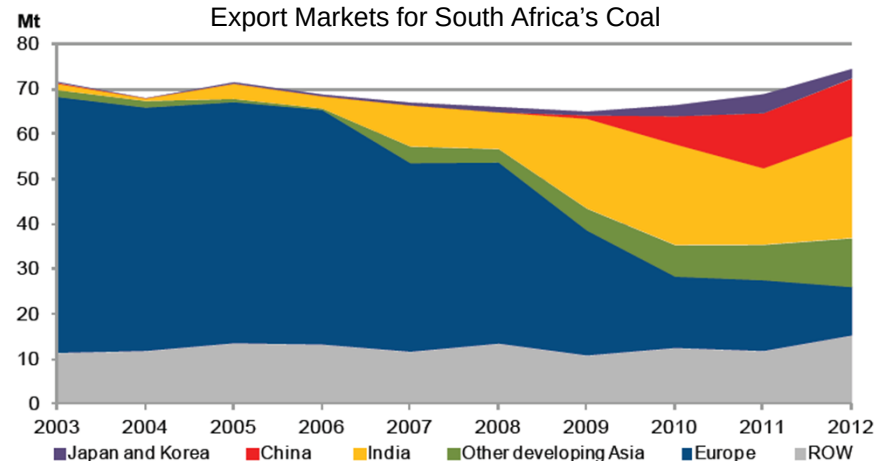
Southern Africa Power Grid



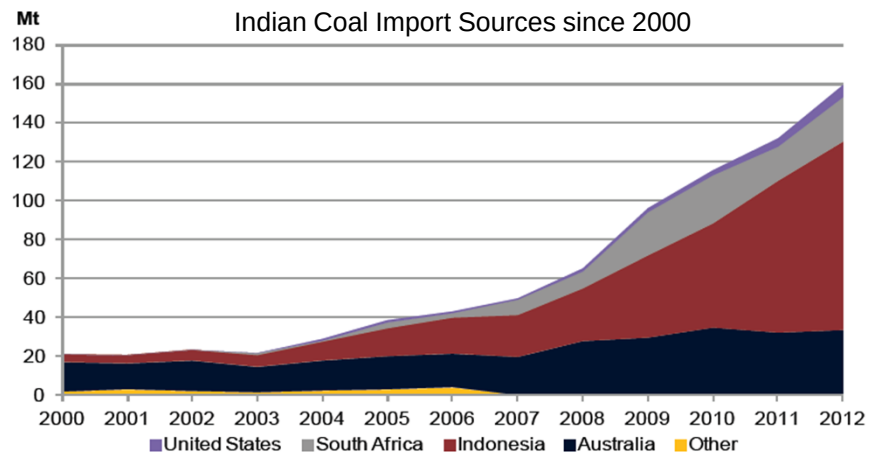
Business Plan 2: Coal Exports



1. Mmamabula West project acquired for its export potential
 - Coal suitable for single stage washing to export grade
2. Rail/port infrastructure in place
 - Multiple routes and ports
 - Capacity is available and can be expanded for both rail and ports
3. Global thermal coal demand supported by huge power growth in China and India
 - India now the second largest importer of thermal coal (behind China)
 - Increasing market share for southern African coal with potential to displace some Indonesian supply

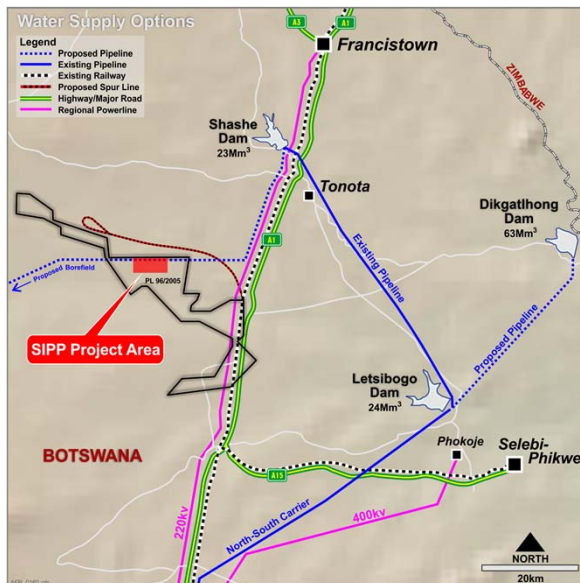
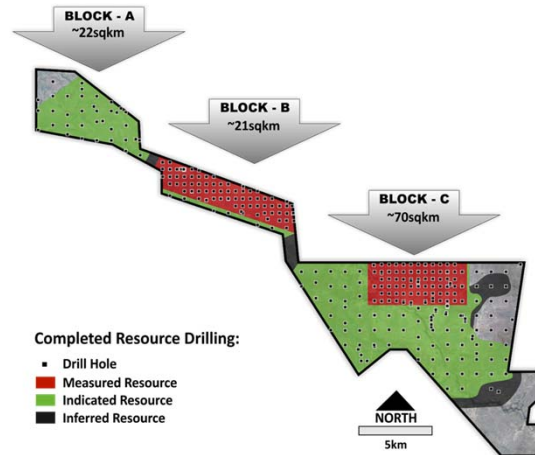


Sources: McCloskey (2013), *McCloskey Coal Reports 2010-2013*, McCloskey's, London, <http://cr.mccloskeycoal.com>; IEA analysis.



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Sese: Coal & Power Project



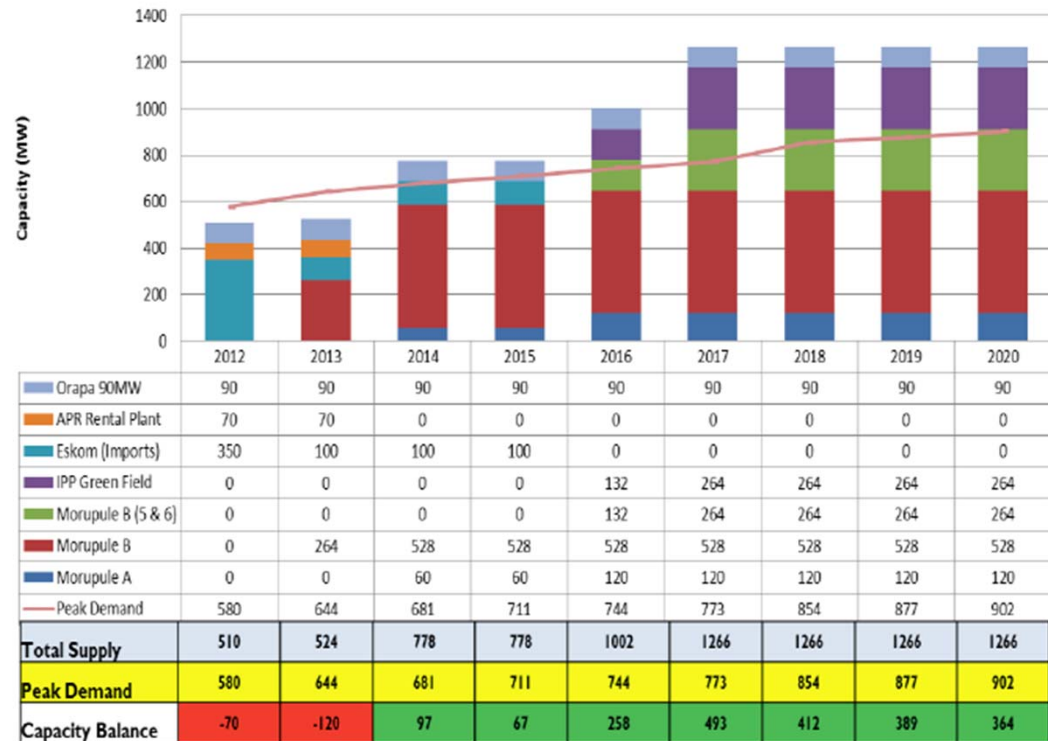
- Well characterised resource (2.5Bt) from 435 drill holes
- **Sese Integrated Power Project (SIPP)** comprises one or more 300MW CFB power stations plus 1.5Mtpa 'captive' coal mines
- Low-cost fuel supply due to low strip ratio mining and minimal processing requirements
- Local source of low-cost limestone <10km from SIPP (sorbent used to reduce SO₂ emissions)
- Water allocation from nearby Shashe Dam approved, negotiating abstraction licence, multiple back-up sources
- Close to existing high-voltage transmission lines
- ESIA draft report to be submitted by mid-February

Sese: Power Consortium Tender Bid



- Botswana 300MW greenfield IPP tender process underway
- AFR and ACWA Power International have formed a bid consortium and executed a Joint Development Agreement covering this and future projects
- Expression of Interest (EOI) was submitted on 2nd October 2013
- Ministry of Minerals, Energy and Water Resources has received approval to request a bid from the Sese consortium

Capacity Balance (2013 - 2020)

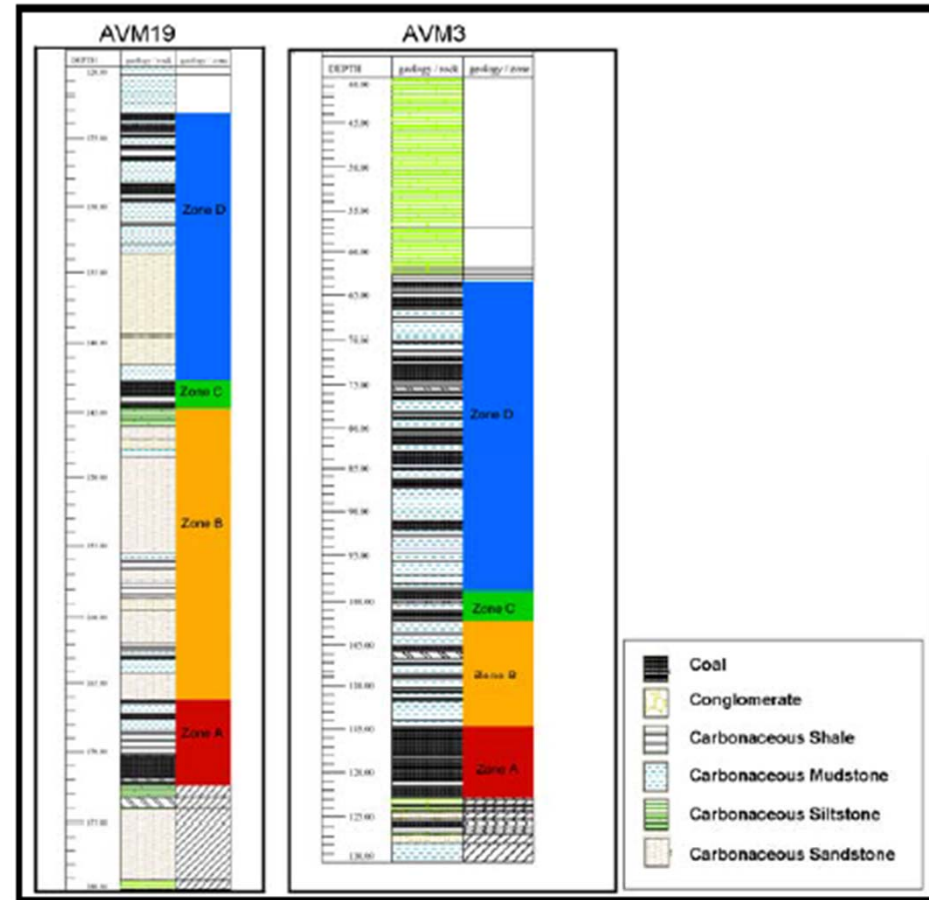


Source: Request for Expression of Interest (EOI) from potential Independent Power Producers for the development of a 300MW coal fired power station (greenfield) in Botswana. Ministry of Minerals Energy and Water Resources July 2013

Mmamantswe: Coal & Power Project



- Well characterised coal occurs in four zones, similar to Waterburg stratigraphy, and is <20km from South African border
- Extensive studies between Dec 2007 and Jan 2011 on coal quality, coal processing options, coal mining and power generation
- SRK Scoping Study released in 2010 for a 10Mtpa ROM operation producing up to 4.6Mtpa product at US\$9.10/t ROM cash cost
- 8G1pa borefield (near town of Artesia) has been drilled, fitted, pump tested and registered
- ESIA for 10Mtpa ROM and 1,000MW power station has been approved



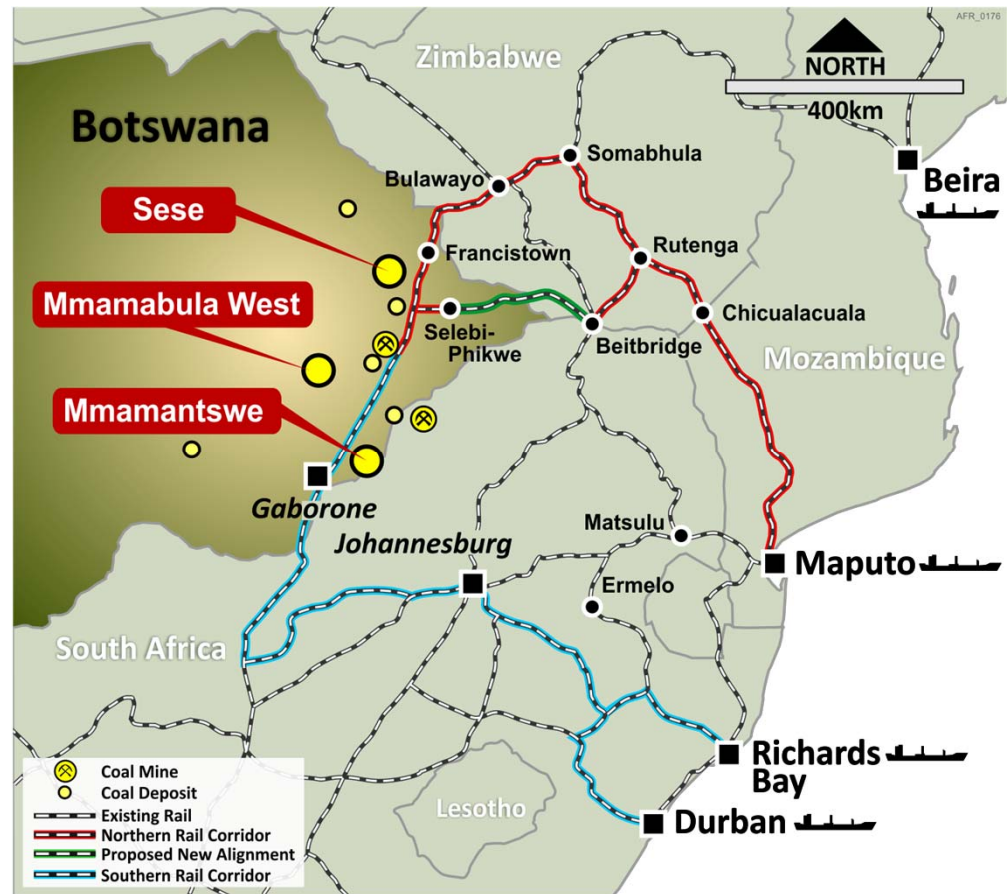
- South Africa's updated Integrated Resource Plan (2013) stipulates a requirement for ~20,000 MW of new generational capacity by 2030
- Whilst there will be a focus on renewables, new coal-fired generation is likely to play a major role for the next 10 years (nuclear option has been deferred)
- Mmamantswe project ideally located for this market due to proximity to border and key transmission links
- Discussions with potential project partners underway



Mmamabula West: Export Logistics



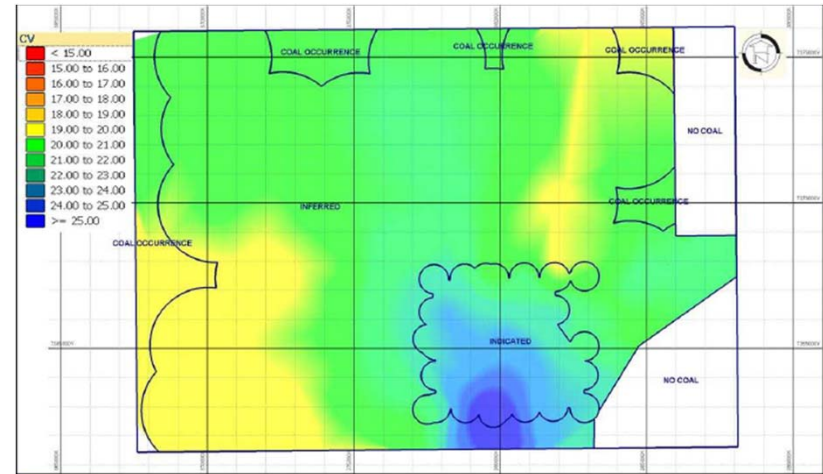
- Export infrastructure study completed by AFR in 2013
 - Maputo is the best short and medium term port option up to 20Mtpa, with expansion potential to >100Mtpa
 - Existing rail has potential to transport up to 20Mtpa
 - Successful 1,600t trial export train to Maputo in Nov 2012 – proof of concept
 - Alternative routes through South Africa offer additional capacity (up to 10Mtpa) and keep market competitive
- Coal quality important at start-up
 - Until rail volumes >20Mtpa, rail tariffs will dictate that higher coal qualities are needed for commercial viability
 - Mmamabula West acquired for this reason
 - Higher volume, lower quality coal exports possible once rail tariffs reduce



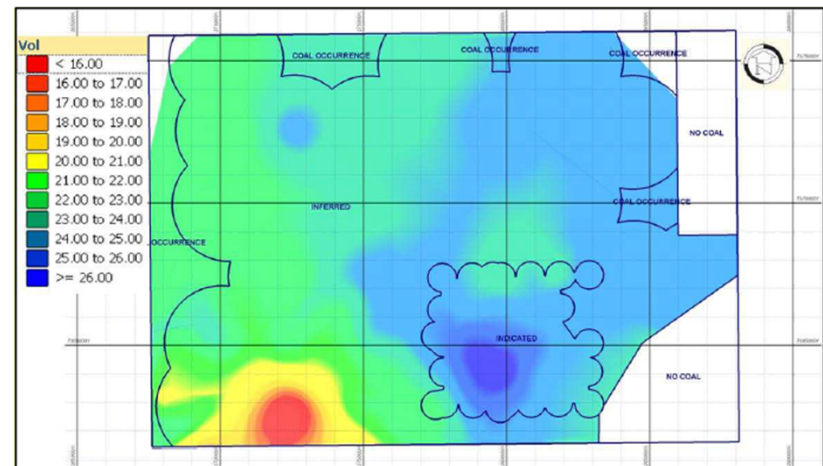
Mmamabula West : Coal for Export



- Mmamabula West (2.4Bt) acquired for USD \$2.5M
- Single stage washing can produce a high yield export product from two seams:
 - K-Seam averages 5.5m thick, 105m depth
 - A-Seam averages 4.5m thick, 130m depth
 - >25km² “preferred mining area” within indicated resource has higher raw CV and higher yields than rest of deposit
- 60km west of existing power, rail and AFR’s Artesia water borefield
- ESIA and feasibility study for a 4Mtpa underground export coal mine (based on the preferred mining area) in progress

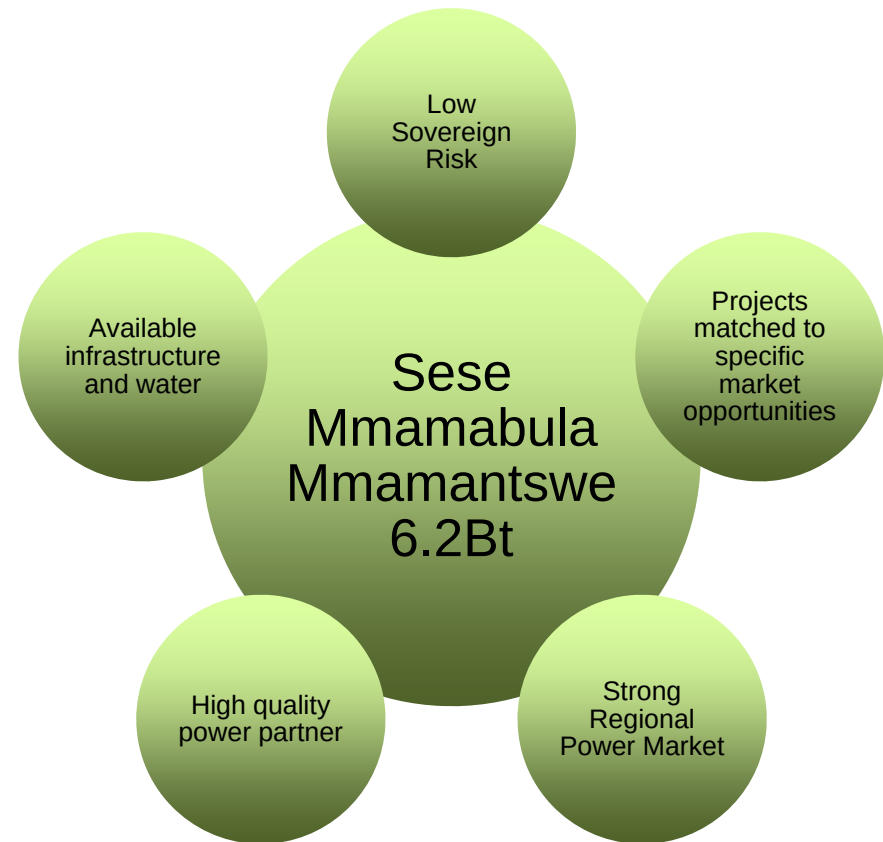


A-Seam RAW Coal CV (MJ/kg)



A-Seam RAW Coal Volatiles %

- Significant progress made in the last 12 months:
 - Portfolio consolidation at low-point in market
 - Acquisitions selected on the basis of their strength for specific market opportunities
 - High quality partner attracted to Sese Power
 - Potential partners seeking access to Mmamantswe Power
- Next 12 months:
 - Complete competitive tender process for Botswana 300MW greenfield power project
 - Continue to develop additional 300MW or larger power opportunities based on Sese coal
 - Finalise development partner for Mmamantswe and develop relationships into South Africa's energy sector
 - Complete feasibility study and ESIA for 4Mtpa export coal mine at Mmamabula West



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Global Coal Resource Summary



Sese Coal & Power Project: Resource Summary (Raw coal on an air-dried basis)

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							

Mmamabula West Project: Resource Summary (Raw coal on an air-dried basis)

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
TOTAL	2,433 Mt							

Mmamantswe Project: Resource Summary (Raw coal on an air-dried basis)

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							
GRAND TOTAL	6,193 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