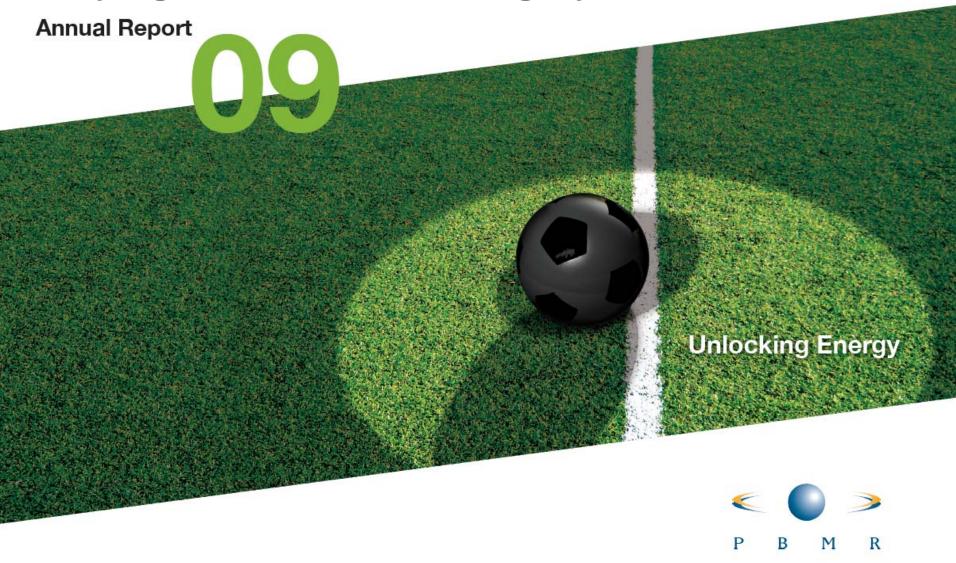
Playing the Game with Integrity and Passion



Annual Report Presentation to the Portfolio Committee on Public Enterprises
23 March 2010

Content

- Annual Report Presentation
- Update on Current Events
- Way Forward

ANNUAL REPORT FINANCIAL PERIOD ENDING 31 MARCH 2009

Annual Report for Financial Period Ending 31 March 2009

- Introduction
- Mission
- Time for Change
- Highlights & Strategic Objectives
- Technology Development
- Corporate Governance
- Employment equity
- Financial Information
- Value created





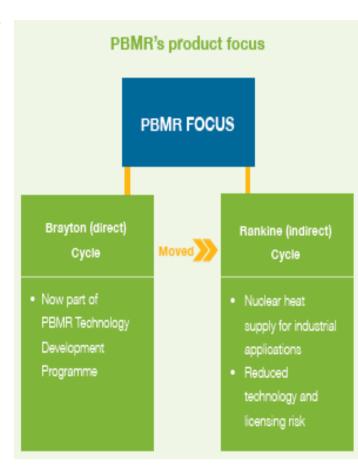




Introduction

Introduction

- Key changes in business model and product offering due to significant changes locally and internationally in economic and energy environments
- Main reasons for the change in strategy
 - global economic climate
 - funding restrictions
 - emergence of potential process heat clients
 - PBMR's continuous and successful involvement in the United States Department of Energy's Next Generation Nuclear Plant (NGNP) programme
- Restructuring and skills preservation





Mission

PBMR Mission Statement

Vision

Bringing the benefits of pebble power to humankind.

Mission

 To provide environmentally friendly, accessible and market-driven nuclear energy systems.

Values

- Safety and quality without compromising on standards
- Customer and stakeholder-centric
- Respect for people
- Relentless pursuit of excellence
- Partnering to create sustainable success

Brand

Your future energy solution today.

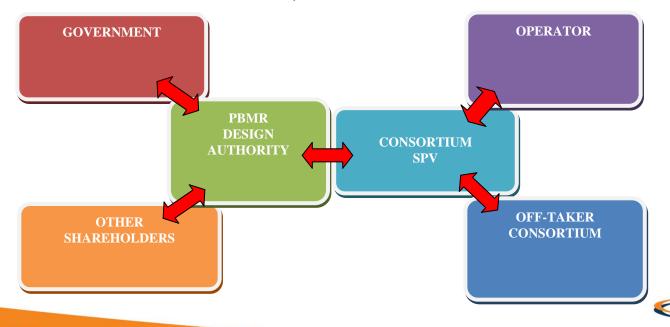


Time for Change



Time For Change

- PBMR could be South Africa's Nuclear Design Authority!
- Role Clarity and Commercial Business Model
 - Government and other shareholders
 - Off-taker Consortium and Operator



Highlights

Highlights

- Excellence throughout PBMR
- Unqualified audit report 31 March 2009
- Cost cutting/cash preservation
- Culture shaping process
- Nuclear licensing Nuclear Design Authority
- Enterprise Architecture Project
- Suppliers Conference
- Charity initiatives
- Environmental Impact report submitted (Koeberg)
- Fuel delivery to US & Russia
- Progress on DPP200 Reactor Design



Highlights

- NGNP bidding
- Technology Innovation awards (world class technology programs)
- National Nuclear Regulator (NNR) issued a licence to the Fuel Development Laboratories to produce kernels with 9.6% enriched uranium
- Delivery of the core unloading device (CUD) to the Helium Test
 Facility at Pelindaba
 - The CUD is a truly home grown technology, engineered by South Africans for SA
- A record of 200 000 and 250 000 accident-free hours was achieved by both the Helium Test Facility and Fuel Development Laboratories respectively



Performance against Strategic Objectives

Strategic Objectives

Objective	Measured by	Status
Select a near-term product configuration based on customer requirements	Supporting analysis, independent international review and assessment for product selection	PBMR Board approved the indirect Rankine cycle (PBMR-200 DPP) for electricity and process heat
 Develop an affordable business case and financial model to retain existing investors and attract new investors. 	 Approved 2009- Corporate Plan Extensive stakeholder engagement to ensure repositioning 	 Approved Corporate Plan by the PBMR Board (May 2009) Extensive internal and external consultation and collaboration to reposition PBMR







Strategic Objectives (cont.)

Objective	Measured by	Status
Establish a sustainable, affordable funding model in support of the business of PBMR	 Approved business plan Approved funding model Extensive stakeholder engagement New draft shareholders' agreement aligned to the new business plan and financial model 	 Board-approved business plan and funding model Government supports the plan but the financial ability is challenging Extensive consultation with stakeholders / investors New draft shareholders' agreement with DPE

Strategic Objectives (cont.)

Objective	Measured by	Status
Partner/collaborate internationally to ensure the commercialisation of the pebble bed technology	 Secure and strengthen PBMR's participation in the United States Department of Energy's Next Generation Nuclear Plant (NGNP) programme 	The NGNP Alliance submitted a bid to the United States Department of Energy based on PBMR's new product configuration
	 Join the European Union's EUROPAIRS programme (end- user requirements for nuclear process heat applications with innovative nuclear reactors for sustainable energy supply 	 PBMR has joined EUROPAIRS as a member, which is a European initiative similar to the NGNP in the United States

Strategic Objectives (cont.)

Objective	Measured by	Status
Develop a consortium of customers made up of high-end energy users in South Africa with the aim of evolving into a programme similar to the United States NGNP	 Formally establish a PBMR customer consortium group in South Africa Planned launch date is June 2010 	 Sasol and PetroSA have accepted PBMR's invitation to join the PBMR Customer Support Group Further meetings are scheduled with companies in the Energy-Intensive Users Group Continue to establish / formalise the role of Eskom and Necsa in the consortium

Technology Development

Technology Development

- 6 South African universities and Necsa participate in various research activities to further the technologies required to keep PBMR at the forefront of nuclear reactor development in future
- Technology Development Programme includes, amongst others, R&D on the minimisation of nuclear waste, improved materials and fuel measurement techniques





Technology Development (Cont.)

 PBMR - one of the largest and most efficient programmes by any company in South Africa

Statistics:

- Number of scientific papers published since 2006: 160
- Number of baccalaureus degrees since 2006: 2 (BEng)
- Number of honours degrees since 2006: 28 (BSc Hons)
- Number of master's degrees since 2006: 54 (MEng and MSc)
- Number of doctorates since 2006: 34 (PhD)
- Number of post-doctoral fellows: 3

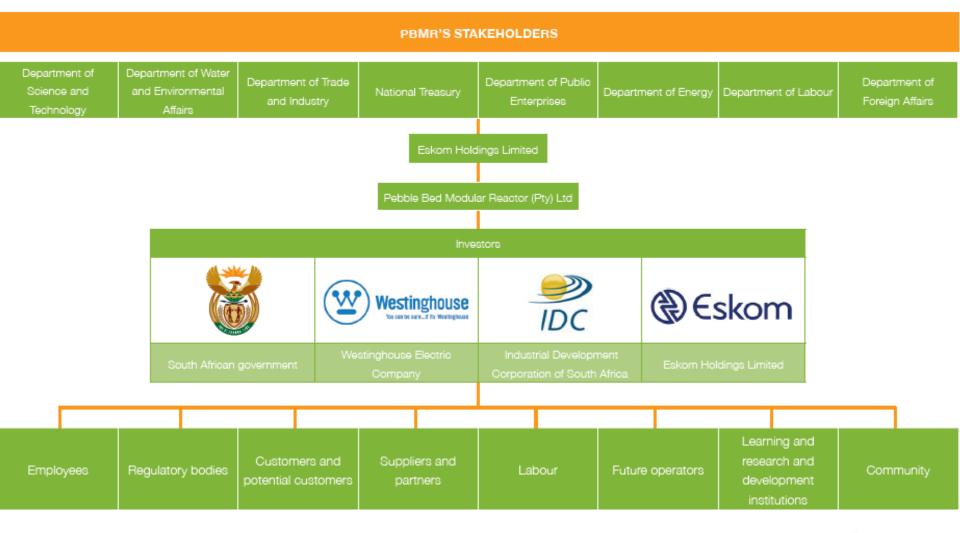




Corporate Governance



Corporate Governance



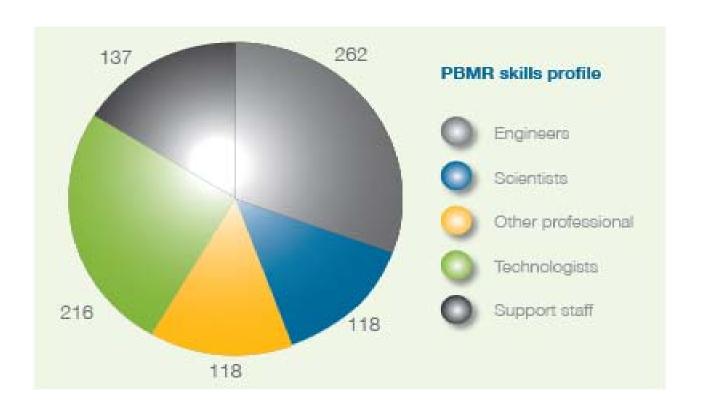


Corporate Governance

- Oversight by DPE
- Accountable to Investors to preserve Shareholder Value
- Board of PBMR
- Sub-committees of the Board include:
 - Audit, Risk and Finance Committee
 - Human Resources and Remuneration Committee
 - Commercial Committee
 - Technology Committee
 - Project Delivery Committee
- Members of Board committees are selected based on specific skills requirements of the respective committees to adequately fulfil their duties
- Management Committees include: Executive Committee (Exco), Procurement Committee, Employment Equity Committee, Workplace Forum Committee, Remuneration Committee, and Job Grading Committee

Employment Equity

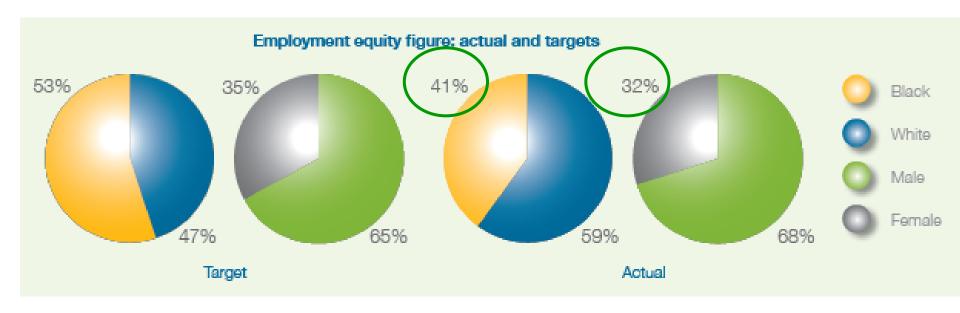
PBMR Skills Profile



- 851 Employees
- 596 (70%) Engineers, scientists and technologists in March 2009



Employment Equity



Employment Equity Appointments – 2008/09

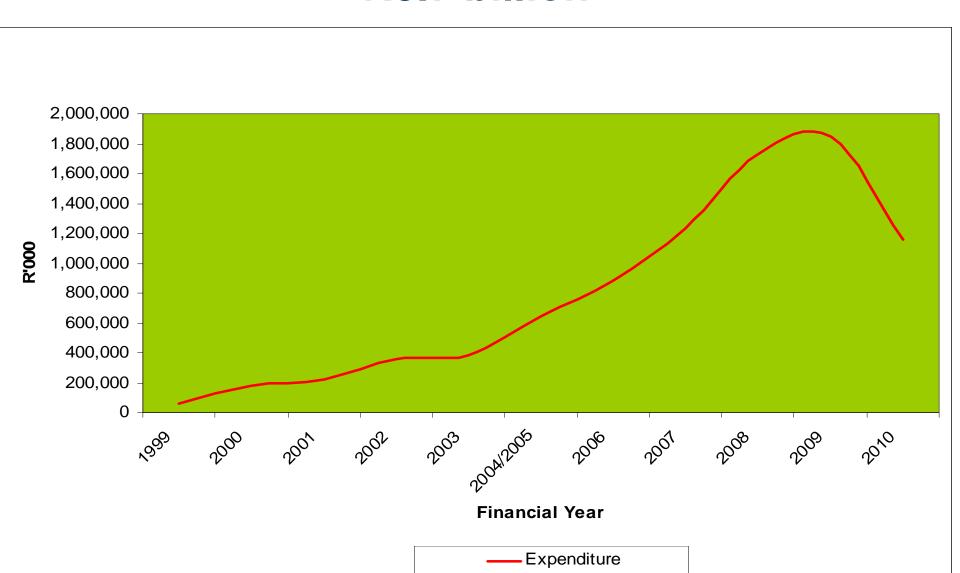


2008/09 Appointments – 55% Black

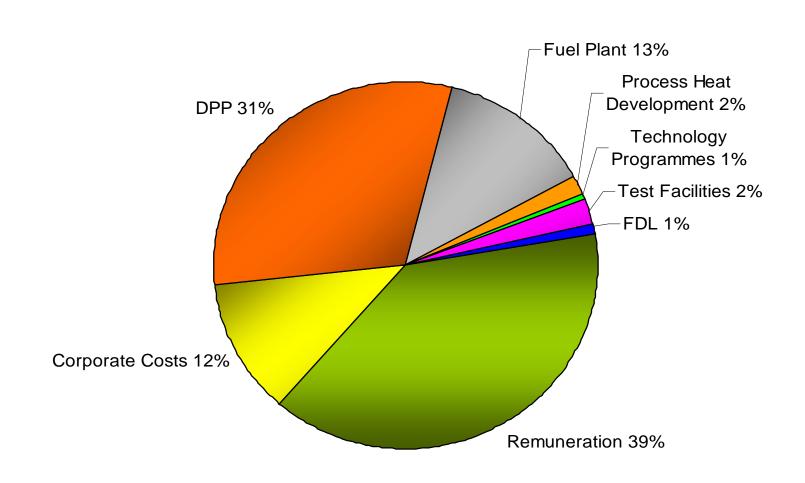


Financial Information

Annual Incremental Spend to 31 December 2010 – R8.7 billion



Categories of Spend to 31 December 2009 – R8.7 billion



Budget vs. Actual – 2008/2009

Expense Category	Original Budget		Variance
	R'000	R'000	R'000
Remuneration	573,216	603,598	(30,382)
Corporate Costs	237,984	159,116	78,868
Process Heat Plant Development	42,590	38,794	3,796
Technology Programmes	40,750	21,724	19,026
Fuel Development Laboratories	22,156	25,731	(3,575)
Test Facilities	30,127	21,514	8,613
Fuel Operations	44,077	30,066	14,011
DPP	1,058,900	714,026	344,874
Fuel Plant	301,903	233,356	68,547
	2,351,703	1,847,925	503,778
Contingency	235,166		235,166
	2,586,869	1,847,925	738,944

These figures are as incorporated in monthly Management Accounts and IFRS adjustments are not taken into account



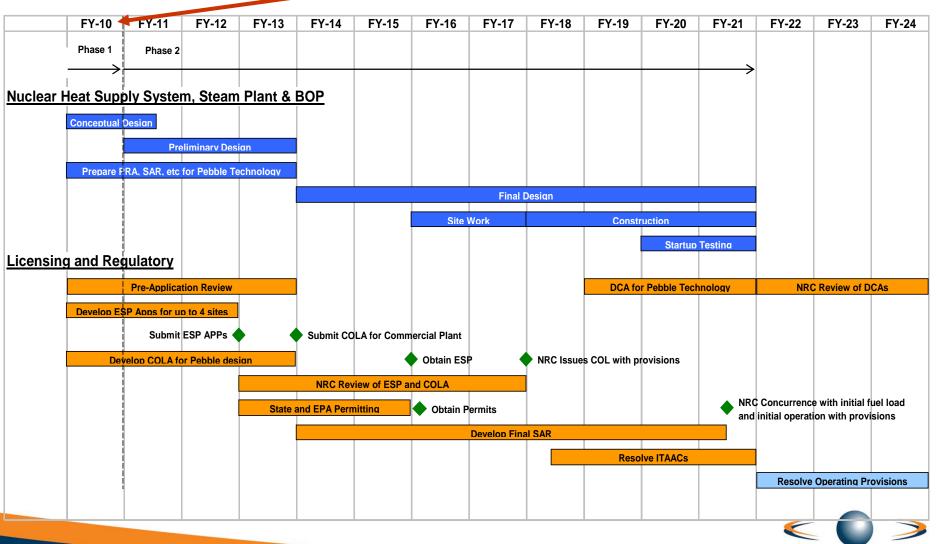
Contributions by Investors

Contributions available for investment (excl VAT)						
	Total	SA Government	IDC	Eskom	WEC	Excelon
	R'million	R'million	R'million	R'million	R'million	R'million
Up tp 31 August 2005	2,086	600	264	817	304	101
1 September 2005 to 31 March 2006	848	509	193		146	
1 April 2006 to 31 March 2007	1,056	1,056				
1 April 2007 to 31 March 2008	2,195	2,195				
1 April 2008 to 31 March 2009	1,534	1,534				
-	7,720	5,894	457	817	450	101
1 April 2009 to 31 March 2010	1,524	1,524				
	9,244	7,419	457	817	450	101



US DOE - NGNP Programme Phase 1 FY-10 US\$40 Million

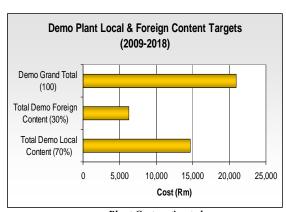
Fiscal year: 1 October - 30 September



Value Created

PBMR Value Created

- Advancement of Science and Technology
- Local Nuclear Industry Development
 - Localisation and Competitive Supplier Development Programme (CSDP)
 - Formation of Nuclear Industry Association of South Africa (NIASA)
- Social and Economic Transformation, Growth and Development
- International Value
 - Next Generation Nuclear Plant (NGNP)
 - EUROPAIRS
 - Canadian oil Sands
 - Gen IV forum
- Systems and Intellectual Property
- Hydrogen from an HTGR plant



Plant Costs estimated

PBMR Value Created

- Test Facilities
 - Helium Test Facility
 - Fuel Development Laboratories
 - High Temperature Test Unit
 - High Pressure Test Unit





The Helium Test Facility (HTF)



Test Facilities form part of the Development Process

Independent Socio-Economic Development and Impact

MEGA PROJECT COMPARISON SUMMARY				
	Richards Bay	Sasol	Motor industry	PBMR Project Est 2045
Turnover		R130 bn	R275 bn	R120 bn
GDP	R32 bn+	n/a	R160 bn	R105 bn
B O Payments		+R40 bn	-R(15-30) bn	+R8 bn
Employment	150 000+	194 000	500 000	500 000
Dependents	600 000+	776 000	2 000 000	2 000 000

Source: Econometrix (2008)



UPDATE ON CURRENT EVENTS



Update of Current Events

- Adoption of Financial Policy in December 2009:
 - To curtail expenditure and commitment to meet available financial resources
- Participation in Phase 1 of US DOE's NGNP
- With approval from Minister of Public Enterprises the Board of PBMR contemplate large scale retrenchments and are currently in consultation with employees in accordance with the Labour Relations Act
- Scale down or mothball test facilities, fuel laboratories and technology programmes at 6 SA Universities (would require an additional R72 million)

Budget for April 2010 to 31 March 2011 R' million

Opening Cash 1	April 2010:	448
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+	US DOE NGNP revenue	75

-	Expenses	(462)
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Net cash available 61

- Residual closure cost (47)

= Cash Surplus <u>14</u>



Principles

- Curtail expenses and commitments to meet cash resources as stated in 2009 Annual Report
 [Financial Policy adopted at the Board meeting on 4 December 2009]
- Use existing cash resources to fund the operating cost and closure cost from 1 December 2010 to March 2011
 [Base case for the financial period ending March 2011 attached]
- Continue to explore opportunities to save cash and create flexibility and optionality in the next 60 days [Propose to PBMR Board Sub Committee]

Objectives of the Company

Primary Objectives

- Protect IP of HTR technology for Government & existing Investors
- Aim to retain core skills and know how
- PBMR effectively operates as a stand alone legal entity
- Contemplate a reduction of current staffing levels to 237
- Ensure a capability to deliver on the US DOE's NGNP FOA

Shareholding (finalise shareholders agreement)

- Secure funding from existing investors
- Attract new investors
- Clarify the relationship and role of Eskom going forward

Customer(s)

- Secure NGNP as anchor customer
- Develop other customers e.g. EU EUROPAIRS and Canadian Petroleum Technology Alliance of Canada



WAY FORWARD

Way Forward

- Leverage value created to date for SA's economic benefit
- Organisational alignment and restructuring of the company
- Nuclear Design Authority (NDA) and nuclear licensing
- Enterprise Architecture
- DPP200 design in line with NGNP
- Cost cutting and cash preservation
- Product and customer alignment
- Long term Fuel design & strategy

Thank you for your time

Contact details

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