

2010 Annual Results

Portfolio Committee On Public Enterprises

7 Sept 2010

Today's agenda and presenters



1. Overview and financial performance	Mpho Makwana
2. Results of operations	Paul O'Flaherty
3. Liquidity and capital resources	Paul O'Flaherty
4. Funding gap	Paul O'Flaherty
5. Operating highlights and challenges	Brian Dames
6. Strategic Initiatives	Brian Dames
7. Outlook	Mpho Makwana



Overview and financial performance

Mpho Makwana Chairman

On the path to recovery



- Return to profitability
- We are keeping the lights on...
- While making significant investments in a brighter future
- A clear recovery strategy in place with a realistic timeline
 - First results are encouraging, but the next few years pose tough challenges
- In a long term industry, our timetable, efficiency targets and renewable energy commitments are ambitious
- Board and Executive team fully in place
- Successful World Cup 2010

On the path to recovery



Securing energy supply	 No load shedding since end-April 2008 Reserve margin at 16,4% Ready to power 2010 FIFA World Cup[™]
Driving generating capacity	 452MW of additional capacity commissioned 600km of high-voltage transmission lines added 12 300MW of additional capacity by 2017 Significant funding secured to finance the capacity expansion program: R21 billion loan from the African Development Bank (Medupi) R19 billion COFACE & HERMES covered ECA facilities (Medupi & Kusile) R28 billion loan from the World Bank (Medupi and renewable energy)
Improving financial health	 Return to profitability: net profit of R3,6 billion (2009: loss of R9,7 billion) Renegotiated commodity-linked power agreement with key customer Funding solution well advanced with shareholder support
Strategic focus	New leadership thrust, Eskom board, management and shareholder aligned around the turnaround plan
A supportive shareholder	 Strong Government support to provide financial resources needed to deliver on the build program: R60 billion subordinated shareholder loan (R40 billion advanced) R176 billion South Africa government guarantee (R117 billion committed) 5

Shareholder compact



Performance area	Company level performance indicator	2009 /2010 Actual	2009 /2010 Target	Goal achieved
	Generation capacity	452MW	420MW	\checkmark
Provision of electricity	Transmission lines	600km	428km	\checkmark
	Transmission MVA	1 630MVA	1 365MVA	\checkmark
	Load shedding	None	None	✓
Reliability of supply	Internal energy efficiency (1)	46,7GWh	15%	\checkmark
	New capacity capital expenditure	R33 713m	R50 454m	×
	Cost / kWh ⁽²⁾	R0,25	R0,27	\checkmark
Business sustainability	Debt: equity	1,68	1,75	✓
	Interest cover	0,45	0,23	\checkmark
	Local content	73,9%	50,0%	\checkmark
Skills development,	Eskom trainees	5 255	4 500	\checkmark
procurement	Engineering trainees	3 780	3 500	\checkmark
	Non-Eskom learners	236	450	×

1. Target to be set at end of August 2010 at 15% of base case

2. Cost excludes depreciation, fair value, forward exchange cost, embedded derivatives and other income

We are a significant contributor to the SA economy



We provide power to all of South Africa Wealth distribution Power is like oxygen to the economy This is our core focus **R** million 2010 2009 The current operations have a substantial macroeconomic footprint **Employees** 17 390 15 135 We support other industries Debt providers 11 085 7 7 5 5 We create jobs in the total value chain Taxes Assist quality of life through transformation and (3786)2 0 8 0 support of B-BBEE Communities 59 88 Commitment to good governance Reinvested 1 112 $(8\ 186)$

Wealth created

31 726

• The capital expansion programme is a major economic stimulus

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- Ensuring adequate power for the future
- Driving economic growth in South Africa and sub-Saharan Africa
- Since 1991 we have electrified 3 901 054 homes. In 2009/10 we electrified 149 901 against 145 615 target

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... creating new industries in South Africa



New fabrication and training facilities established

- Brand new fabrication facility built in Nigel 11,000m2 boiler pressure part
 - Boiler Membrane Wall Workshop
 - Two new CNC Benders commissioned
 - New welding training centre
 - CNC header drilling machine
- Training facilities in Gauteng
- 1400 artisans, 60 engineers, 36 operators, 24 maintenance workers

90% of major orders placed on Mechanical equipment







Results of operations

Paul O'Flaherty Finance Director

Key financial performance indicators



R million	2010	2009	Change in %
Revenue	71 209	54 177	31
Other income	557	610	(9)
Primary energy	(29 100)	(24 884)	17
Opex (including depreciation & amortisation)	(31 916)	(29 626)	8
Net fair value loss on financial instruments	(5 945)	(2 392)	149
Embedded derivative gain/(loss)	2 284	(9 514)	(124)
Operating profit /(loss)	7 089	(11 629)	(161)
Net finance costs	(1 237)	(1 167)	6
Income tax	(2 080)	3 786	(155)
Profit/(loss) for the year	3 620	(9 668)	(137)
EBITDA	10 531	2 803	275

Note: Reconciling items to profit for the year amount to R152 million: (a) R14 million share of profit of equity accounted investees, (net of tax) (b) R166 million loss for the year from discontinued operations

Key performance ratios

		2010	2009
Current ratio ⁽¹⁾	ratio	0,99	1,02
Debt: equity including long-term provisions	ratio	1,55	1,22
Interest cover	ratio	0,57	(0,80)
Free funds from operations (FFO)	Rm	10 531	2 803
Return on total assets	%	2,2	(1,2)
Return on average equity	%	5,6	(16,0)
Revenue per kWh (total electricity sales)	cents per kWh	31,9	24,7
Operating costs per kWh ⁽²⁾ (electricity business)	cents per kWh	28,2	25,9
Bad debt as % of revenue	%	0,82	1,54
Average days debtors	days	22	21
Average days coal stock	days	37	41

(1) Current ratio is calculated as: current assets / current liabilities

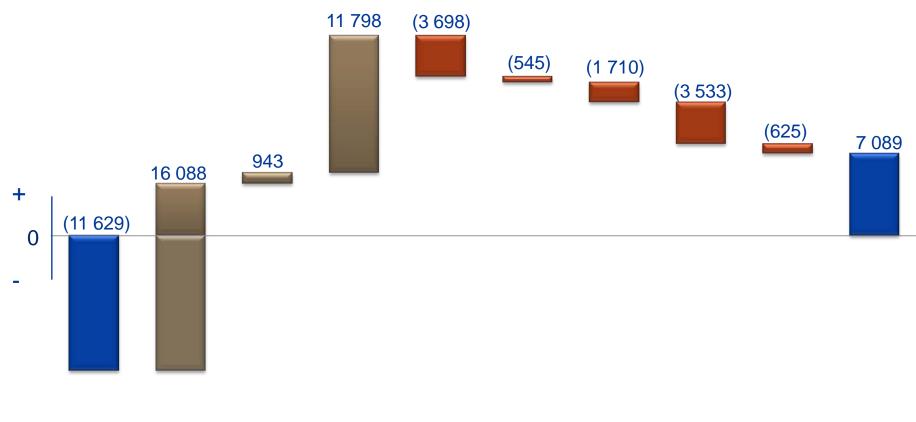
(2) Operating costs including depreciation and amortisation

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Net operating income

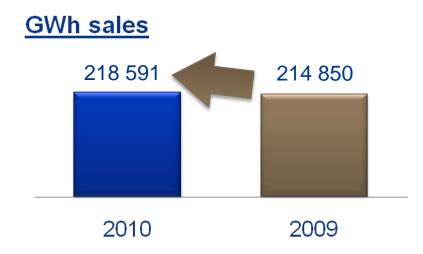


R million

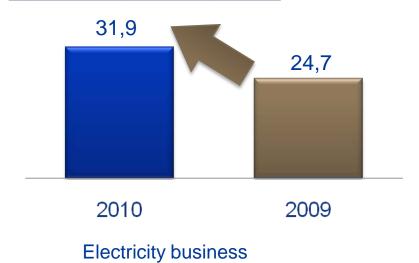


2009	Tariff changes	GWh sales	Embedded	En∨ironmental	Manpower	Impact of	Fair ∨alue	Other	2010
Operating loss	S	∨olume	deri∨ati∨es	le∨y	numbers	inflation on	changes		Operating
before						manpower			profit before
financing						costs			finance costs
costs									

Revenue growth driven by tariff increase



Revenue per kWh (cents)

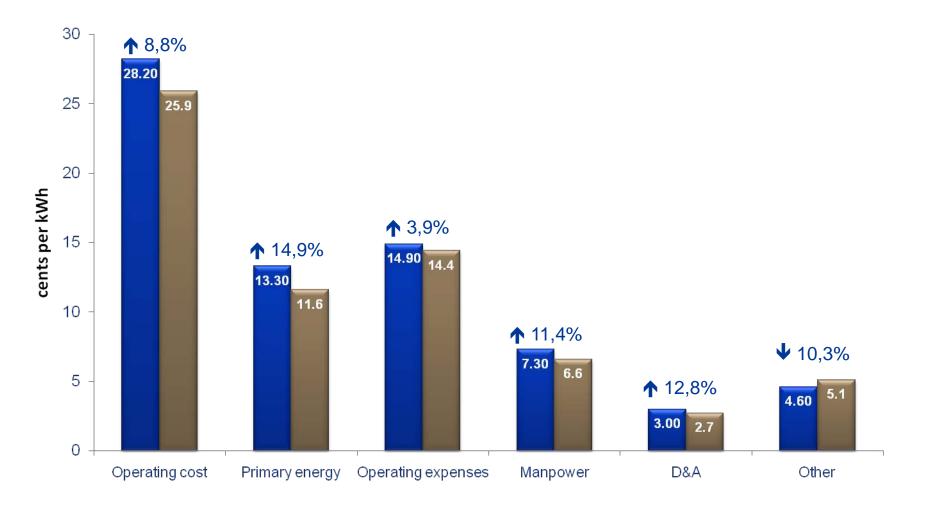


- 1,7% ↑ in GWh sales
- Improving economic growth
- Return to 2007 volumes

- 29,5%
 in average revenue per kWh
- 31,3% ↑ in tariff granted by NERSA in June 2009 (interim tariff)

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Operating costs per kWh (cents) ⁽¹⁾



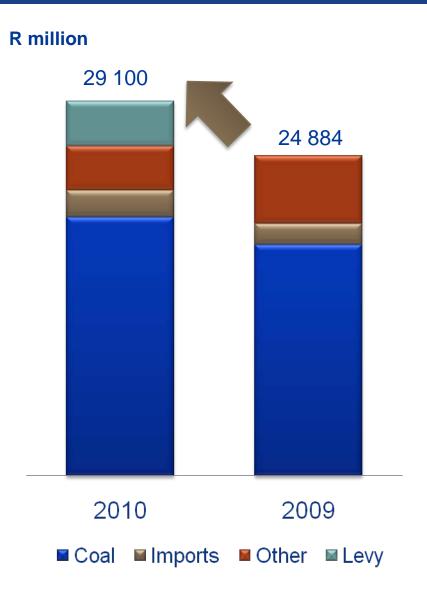
■ 2010 ■ 2009

(1) Electricity business

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Primary energy cost efficiencies



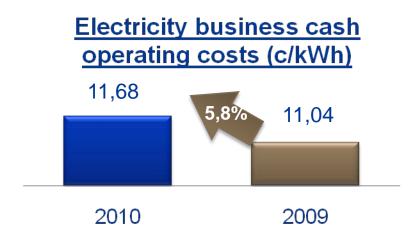


- 16,9% ↑ in primary energy
 - 2,1% ↑ excluding environmental levy
- 2c/kWh environmental levy implemented July 2009 - R3,7 billion impact
- Primary energy to revenue from 47% to 41,7%
 - **36,4%** excluding environmental levy
- Implementation of long-term coal strategy
- Short/medium-term coal supplies secured at lower prices
- Less use of OCGTs (diesel)

	2010	2009	Change in %
Coal burnt (Mt)	122,70	121,16	1,2%

Cash opex increase in line with inflation

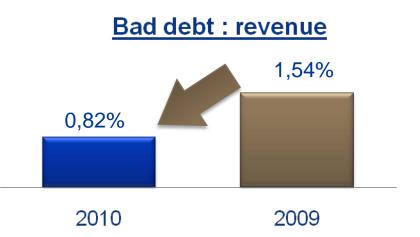
R Million	2010	2009	Change in %
Employees	17 390	15 135	15
Other	8 148	8 584	(5)
Cash Opex	25 538	23 719	7
Non Cash	6 378	5 907	8
Total Opex	31 916	29 626	8



 Increase in cash operating costs in line with inflation

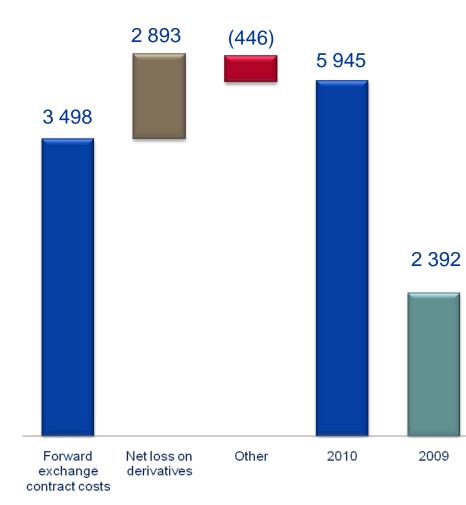
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- 🛧 in employees by **1 365** to **39 222**
- Bad debt resolutions with large customers
- Increase in depreciation due to higher capacity expenditure



Net fair value loss on financial instruments



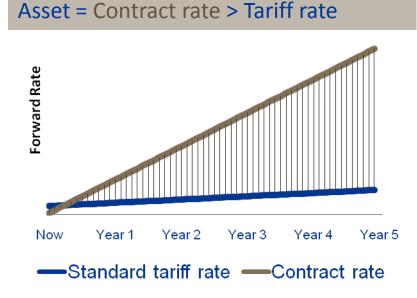


- R3,6 billion ↑ in fair value losses
- R1,0 billion ↑ in forward cover costs due to higher capex

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Embedded derivatives explained

- Embedded derivatives are the present value of the expected gain (asset) or loss (liability) as a result of SPA rates being different to tariff rates
- Net annual movement in embedded derivatives is recorded in the income statement
- Calculation of an embedded derivative relates to a measurement of opportunity profit / loss on revenue and is not compared to cost of production

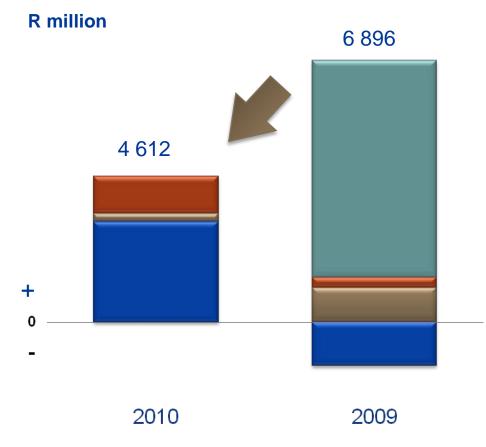




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Reducing embedded derivative exposure

Net embedded derivative liability



■ Bayside ■ Hillside ■ Skorpion ■ Mozal

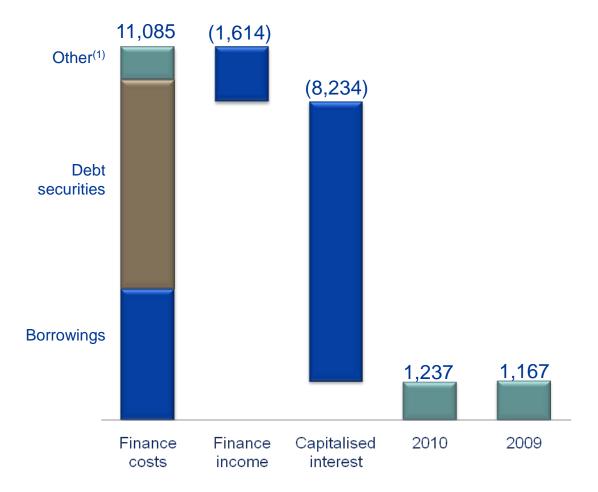
- Significant progress made in reducing exposure to embedded derivatives
- R2,3 billion ↓ in net liability reflected as fair value gain
- Negotiations expected to be concluded in the next year

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Net finance costs



R million



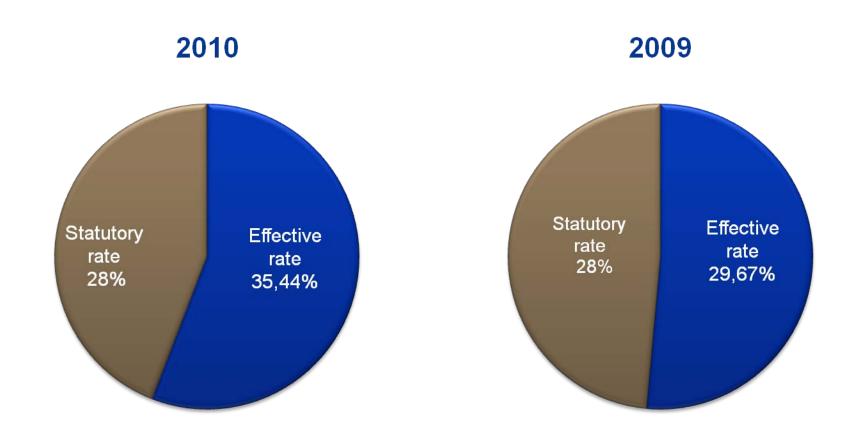
- R4,8 billion ↑ in capitalised borrowing costs
- Increased capex
- Higher portion of capex funded by borrowings
- Finance costs include
 R4,5 billion due to remeasurement of subordinated shareholder loan

Average cost of funding
 from 10,2% to 12,4%

⁽¹⁾ Other comprises unwinding of interest and change in discount rates

Effective tax rate







Liquidity and capital resources

Paul O'Flaherty Finance Director

Statement of financial position



R Million	2010	2009
Assets		
Non-current assets	203 182	158 196
Property, plant and equipment	187 905	138 642
Future fuel supplies	3 768	3 510
Investment in securities	2 392	3 558
Payments made in advance	2 856	5 081
Embedded derivatives	-	1 135
Other	6 261	6 270
Current assets	42 953	41 106
Inventories	7 378	6 581
Trade and other receivables	9 391	8 191
Cash and cash equivalents	15 541	18 392
Embedded derivatives	110	231
Other	10 533	7 721
Total Assets	246 135	199 302

	2010	2009
Equity	70 222	59 578
Non-current liabilities	132 700	97 362
Debt securities issued	59 322	44 253
Borrowings	34 628	12 796
Embedded derivatives	4 583	8 219
Provisions	8 494	8 883
Other	25 673	23 211
Current liabilities	43 213	42 362
Trade and other payables	16 331	16 701
Borrowings	9 143	13 811
Derivatives held for risk management	4 644	2 626
Embedded derivatives	139	43
Other	12 955	9 181
Total equity and liabilities	246 135	199 302

Statement of cash flow



R million	2010	2009
Cash generated from operating activities	11 646	11 764
Cash used in investing activities	(48 934)	(42 945)
Net cash from financing activities	34 383	38 871
Net increase / (decrease) in cash and cash equivalents	(2 906)	7 690
Cash and cash equivalents at the beginning of the period	18 447	10 893
Cash/cash equivalent from/(to) non-current asset for sale	65	(201)
Cash and cash equivalents at the end of the period	15 541	18 382

Free funds from operations	10 531	2 803
Debt service cover ratio	0,86	(0,55)

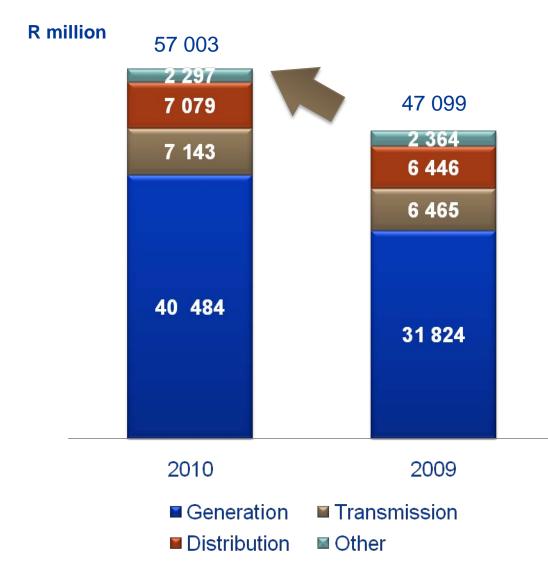
Working capital



	2010			2009
	R million	Days	R million	Days
Inventories	7 378	37	6 581	41
Trade and other receivables	9 391	22	8 191	21
Trade and other payables	(16 331)		(16 701)	
Net working capital	438		(1 929)	

- Decline in coal days stock due to underperforming coal mines and unusually heavy rainfall
- 37 days relate only to coal stock
- Investment in working capital includes construction accounts payable

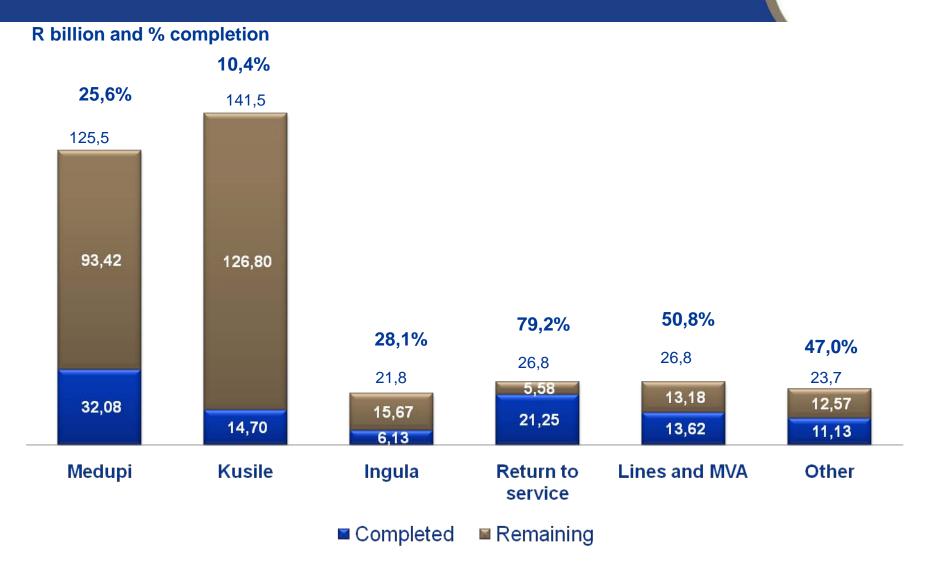
Capital expenditure



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- f 48% driven by capacity expansion program
- Additional capacity of 452MW added. Target exceeded by 32,5MW
- 600km of new transmission lines. Target exceeded by 172km
- **1 630MVA** new transformers. Target exceeded by **265MVA**

Significant progress in build programme

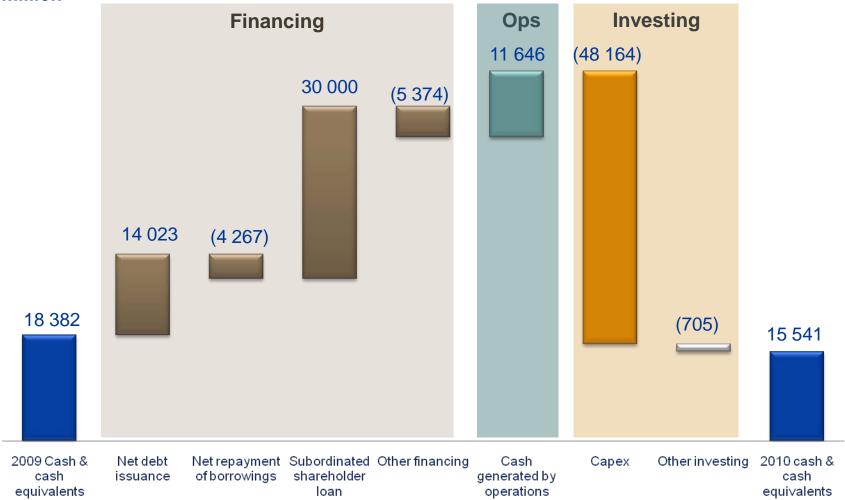


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Capex funded primarily by borrowings

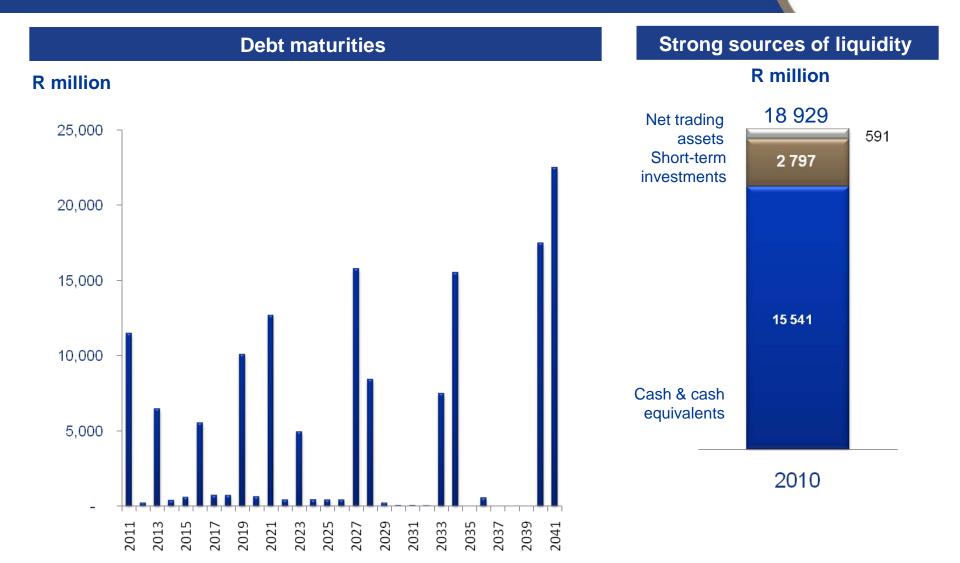
(2) Eskom

R million



Debt maturities and sources of liquidity





Debt maturities per financial year

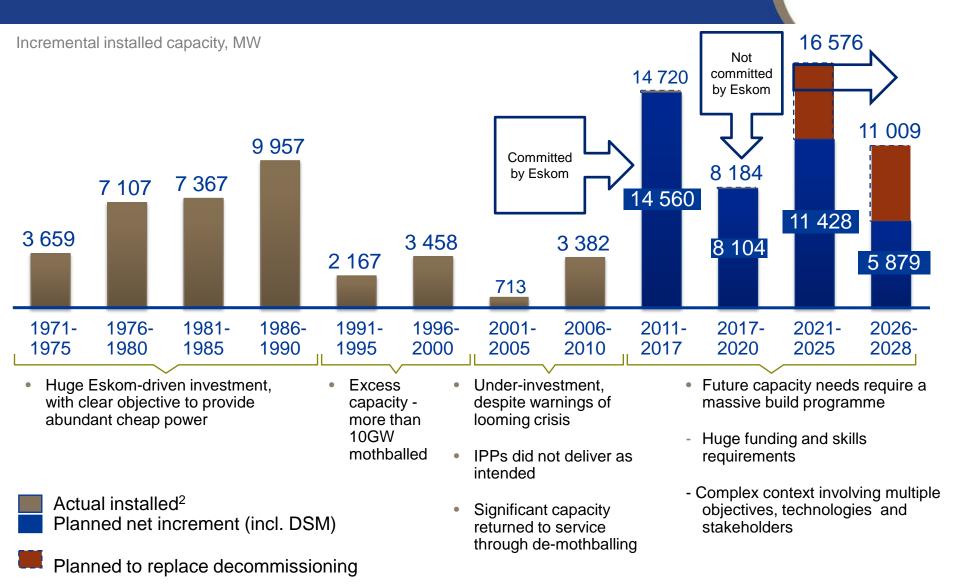


Funding Gap

Paul O'Flaherty Finance Director

South Africa needs to create 50GW¹ of new electricity capacity by 2028, requiring a faster build rate than ever before

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1 Including 10GW needed to replace decommissioned capacity, and 5GW of DSM (embedded in planned) 2 Historical figures do not include capacity to replace decommissioning

Eskom forecasts borrowing of an additional R190 billion to finance the build program to 2017 (R115 billion to 2013)



Key assumptions

Funding requirement

Committed and uncommitted capex for the seven year period of R693bn

• Reasonable tariff scenario of 24,8% in 2010/11, 25,8% in 2011/12, 25,9% in 2012/13. Then 25% in 2013/14 and 2014/15. Thereafter 6% in 2015/16 and 2016/17.

R bn YE Mar	2011	2012	2013	2014	2015	2016	2017	Total
Operating cash flow (pre-interest)	16,143	28,912	48,237	73,153	112,291	121,418	130,681	530,835
Loans, Financial assets & Interest payable	-20,519	-27,517	-40,634	-44,768	-42,045	-50,629	-51,819	-277,932
Operating cash flow (post-interest)	-4,376	1,395	7,602	28,386	70,246	70,790	78,862	252,904
Capex								
Capex - Unapproved new capacity	-896	-766	-1,041	-1,797	-17,922	-54,087	-67,921	-144,430
Capex for existing & approved capacity	-86,754	-93,654	-85,202	-66,988	-70,982	-73,867	-71,376	-548,822
Total Capex	-87,650	-94,420	-86,243	-68,785	-88,904	-127,954	-139,297	-693,252
Funding gap	-92,026	-93,025	-78,640	-40,399	-18,659	-57,164	-60,435	-440,348
Committed & Signed								
Government Loan	20,000	0	0	0	0	0	0	20,000
DFI - EIB, World Bank, AFDB	20,545	12,548	6,906	2,676	2,082	0	0	44,757
ECA - COFACE , JBIC & HERMES	13,482	6,222	2,471	1,321	0	0	0	23,496
Total Committed & Signed	54,027	18,770	9,377	3,997	2,082	0	0	88,253
Cum cash surplus / (shortfall) including committed funding Signed documentation Local Bonds &	-37,999	-112,253	-181,517	-217,919	-234,496	-291,660	-352,095	-352,095
CPB's	22,000	22,000	22,000	22,000	25,000	25,000	25,000	163,000
Total Signed documentation in place	22,000	22,000	22,000	22,000	25,000	25,000	25,000	163,000
Cum cash surplus / (shortfall) including committed and secured funding	-15,999	-68,253	-115,517	-129,919	-121,496	-153,660	-189,095	-189,095

The funding requirement would rise significantly should a lower tariff scenario eventuate, increasing from R190bn to R412bn

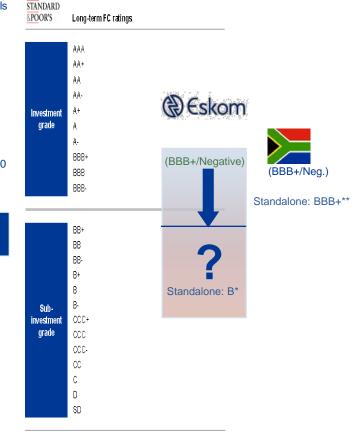
Unless corrected, Eskom's current rating is at risk of downgrade, jeopardising Eskom's ability to finance



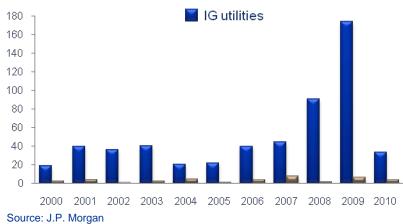
Yield performance of industrial issuers (Yield on EUR 7–10 year bonds %)



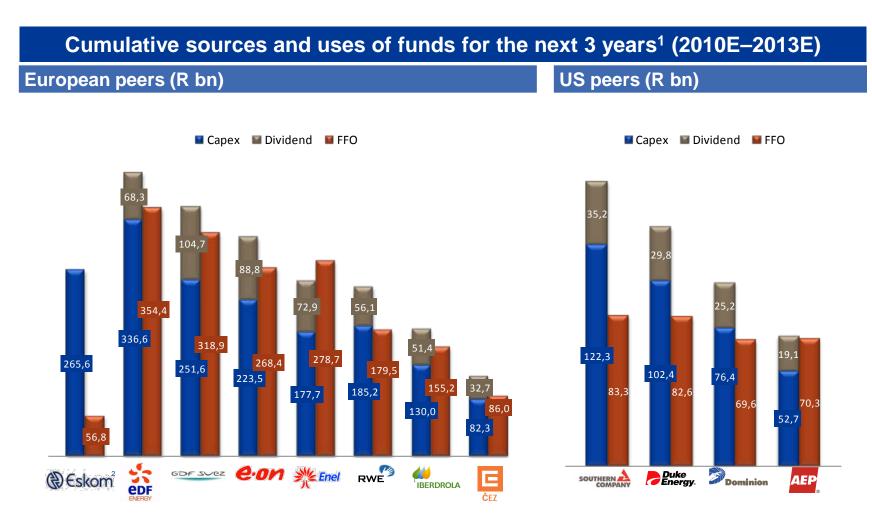
At present, without Government support, Eskom has a sub-investment grade ratings profile



Bond issuance volumes of investment grade (IG) utilities vs. sub-investment grade utilities–US\$ bn equivalent







Source: FactSet as of April 14, 2010, company information. FFO = Funds from Operations, defined as cash from operations before changes in working capital ¹ Includes cumulative sources and uses of funds for the 2010-2013 period; ² For Eskom, the FFO and capex have been calculated using the Committed Capex Case scenario. This has been calculated as a cumulative of Mar-11 to Mar-13. The FX rate used: €/R of 9.35136, \$/R 7.64468

Given large funding needs, utilities typically target credit ratings of "BBB" or better



Ratings

	Name	S&P Rating	Moody's rating
	EdF	A+/Stable	Aa3/Stable
	GDF Suez	A/Positive	Aa3/Negative
	E.ON	A/Stable	A2/Stable
ð	RWE	A/Negative	A2/Negative
Europe	Vattenfall AB	A/Negative	A2/Stable
	Enel	A-/Stable	A2/Negative
	CEZ	A-/Stable	A2/Stable
	DONG energy	A-/Stable	Baa1/Stable
	Iberdrola	A-/Stable	A3/Stable
	EnBW	A-/Negative	A2/Stable
	Israel Eelctric	BBB/Negative	Baa2/Stable

	Name	S&P Rating	Moody's rating
	Southern Company	A/Stable	A3/Negative
	Duke Energy	A-/Positive	Baa2/Stable
	Dominion	A-/Stable	Baa2/Stable
	Mid American	BBB+/Stable	Baa1/Stable
0	American Electric	BBB/Stable	Baa2/Stable
	Exelon Corp	BBB/Stable	Baa1/Stable
	Public Service	BBB/Stable	Baa1/Stale
	Entergy Corp	BBB/Stable	Baa3/Stable
	FirstEnergy	BBB-/Stable	Baa3/Stable
	Constellation	BBB-/Stable	Baa3/Stale

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Name	S&P Rating	Moody's rating		
South Africa ¹	BBB+/Negative	Baa2/Stable		
Russia ²	BB+/Stable	Baa3/Watch Neg		
Brazil ³	BB/Stable	Ba1/Negative		
India ⁴	BBB-/Stable	Baa3/Stable		

Proxy: ¹ Eskom; ² RusHydro; ³ CEMIG; ⁴ NTPC

Key credit metrics



	2010	2009	Appropriate Level
Adj FFO : Adj Total Debt	5,8%	8,7%	15% - 20%
Adj Net Debt : Adj EBITDA	4,3x	14,5x	<3,5x
Adj FFO Interest Coverage	1,3x	2,1x	>2,5x
Standard & Poor's Local currency Foreign currency	A- (Negative) BBB+ (Negative)	A- (Negative) BBB+ (Negative)	BBB+
Moody's Local currency Foreign currency	Baa2 Negative) Baa2 (Negative)	Baa2 (Negative) Baa2 (Negative)	Baa2
Fitch National long term National short term	AAA (Stable) F1+ (Stable)	AAA (Stable) F1+ (Stable)	AA+



Brian Dames Chief Executive



Corporate Services

Human Resources

Generation Business

Customer Network Business

Contribution to Society



Corporate Services

Human Resources

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Contribution to Goodery,

Operational performance – Corporate Services



Highlights

- Implementation of an integrated
 risk management system
- Integration of climate change considerations in the business
- Underground coal gasification
- Focus on research and innovation such as research project co-firing at Majuba power station
- Utility load manager (ULM) piloted successfully
- Safety improved and cardinal rules rolled out
- Inclusion of solar and wind in the South African Clean Technology Fund application

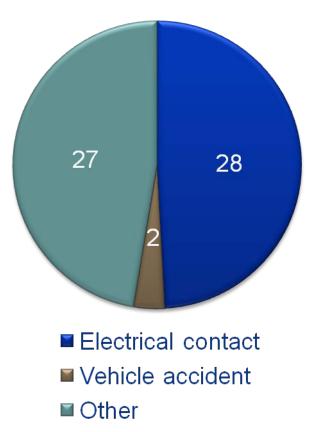
Challenges

- Suffered fatalities
- Safety measure of LTIR not at targeted level
- Conductor and lattice theft increasing

Safety performance

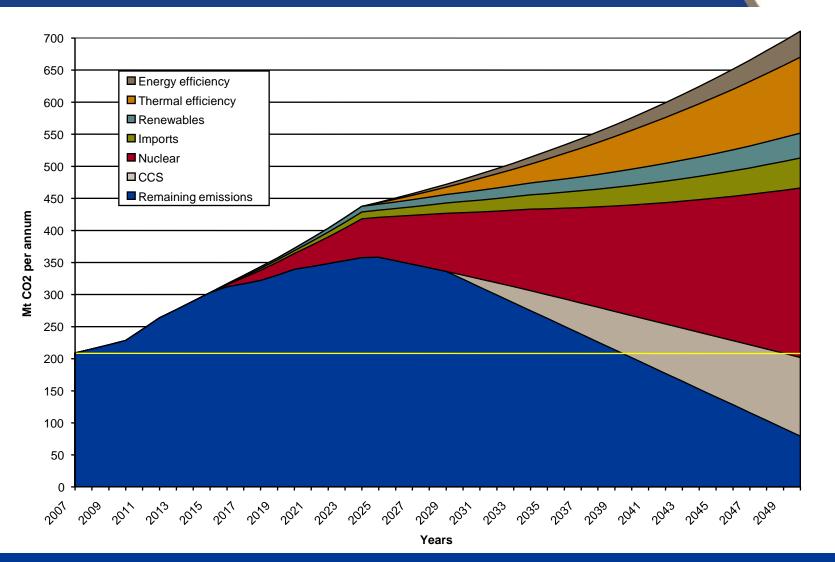


Causes of 2010 fatalities



Fatalities	2010	2009
Employees	2	6
Contractors	14	21
Public (members)	41	28
Total	57	55

Reducing our CO₂ emissions



Climate change: Scenario based on a low carbon future

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Corporate Services

Human Resources

Generation Euclidean

Customer Network Business

Contribution to Society

Operational performance – Human Resources

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Highlights

Challenges

- Magnet survey: engineering learners voted Eskom
 Employer of choice in two consecutive years
- Sustained the skills base and tripled the skills pipeline over the last 5 years
- Training costs: R758 million
- Eskom Academy of
 Learning established
- 5 255 learners in the pipeline, of which 3 780 are studying in the engineering and technical fields

- Increasing concern about staff security
- Staffing of build projects
- Skills retention for the future





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Generation Business

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Constitution to Beniety

Operational performance – Generation Business



Highlights

- Long-term coal supply strategy developed and negotiations for new coal supply agreements successfully completed
- Koeberg celebrated 25 years of safe operation
- Exceeded capacity expansion targets
 - 452MW installed and commissioned
 - 600 km high-voltage transmission lines built
 - 1 630MVA installed
- Maintained reliability and availability of stations
- Progress on Medupi, Kusile and Ingula
- Safety performance improvement on capacity expansion construction sites
- Eskom supports the introduction of independent power producers and will facilitate their introduction
- Eskom has reached agreement with independent power producers (IPPs) introducing approximately 400MW to the South African system



Operational performance – Generation Business

Challenges

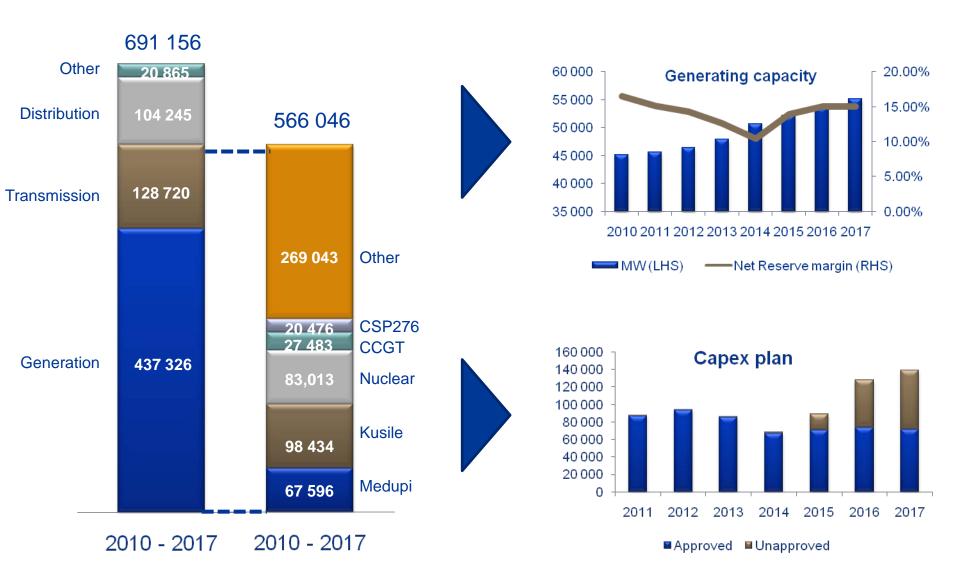
- Coal
 - Under-supply by coal companies
 - Poor quality of coal supplied impacting station performance and output
- Increase in particulate emissions
- Increase in unit trips
- Under-spent on capacity expenditure due to funding constraints
- Safety improvements, but remains a challenge



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Driving generating capacity

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Generation Eusinees:

Customer Network Business

Contribution to Society

Operational performance – Customer Network Business

Highlights

- Eskom is ready for the 2010 FIFA World Cup[™] support from customers and the Southern African Power Pool (SAPP)
- Electrification connections of 149 901 (Target: 145 615)
- Better than target performance on Transmission interruptions
- Completion of detailed capital investment plan
- Success with renegotiation of negotiated pricing agreements
- Apollo substation upgraded to world-class standard
- Enhanced emergency preparedness protocols
- Acceleration of solar water heating programme
- Demand-side management savings of 372MW



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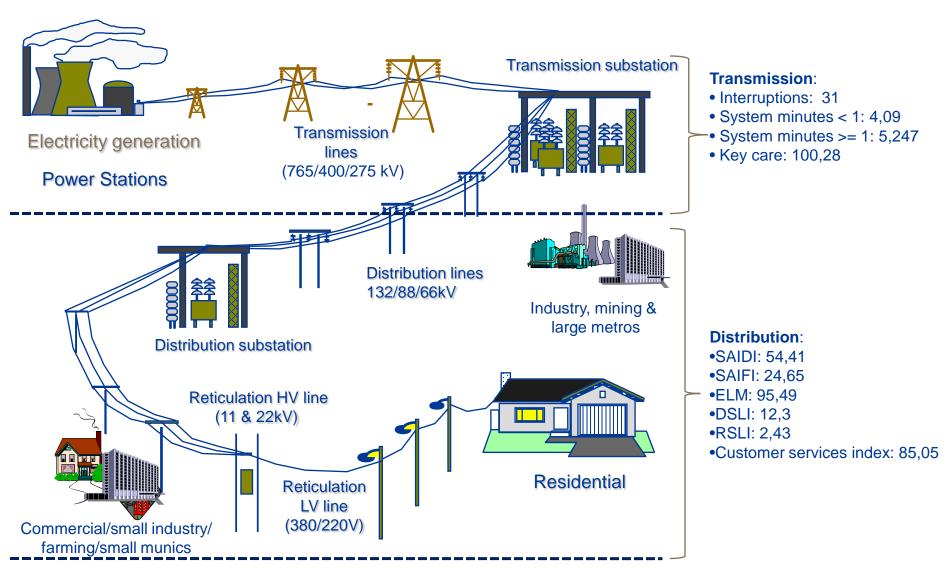
Operational performance – Customer Network Business

Challenges

- Unacceptably high levels of equipment and electricity theft
- An increase in late payments by large and small power users
- An increase in the Distribution System Average Interruption
 Duration Index
- Slow progress with implementation of Power Conservation Programme

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Customer Network Business value chain and key indicators

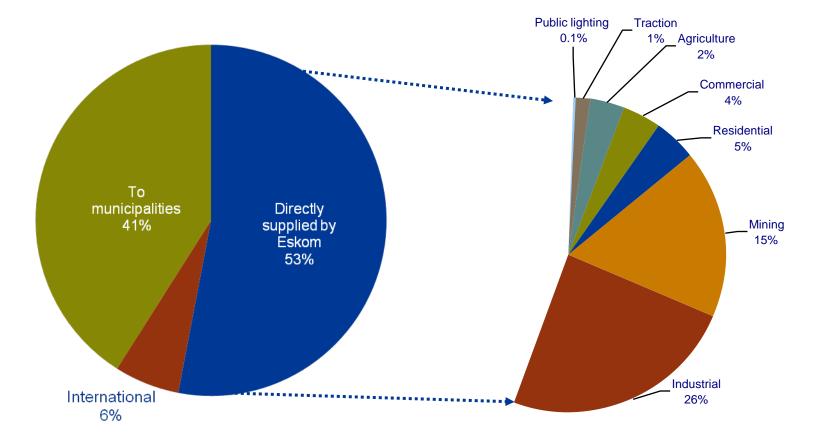


The system operator is responsible for availability of the power system

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Electricity consumption percentage sales in kWh by consumers served





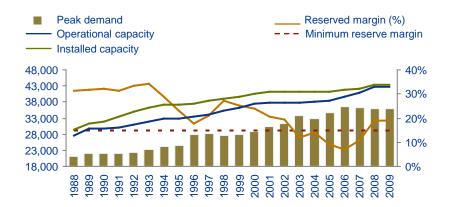
Of the total Eskom electricity sales, residential consumers represent 5% of the total sales

South Africa remains low cost producer



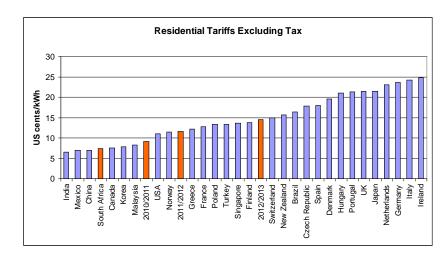
Factors leading to tariff increases

- Strong economic growth caused electricity demand to outstrip supply
- Underinvestment in capacity resulted in low reserve margins
- Low reserve margins increased operating costs
- Tariffs were insufficient to build up reserves to fund necessary capital expansion
- The projected growth of the South African economy demands a secure supply of electricity



Committed to low cost energy

- NERSA recognises it must set a costreflective tariff path that will support the capex program and the introduction of IPPs
- NERSA approved tariff increases to support country and Eskom objectives
 - 2010/2011 24,8%
 - 2011/2012 25,8%
 - 2012/2013 25,9%
- At the end of the MYPD2 period Eskom will remain a low cost energy producer





Conparate Services

Human Resources

Seneration Businessa

Systems Operation and Planning

Contribution to Society

Contribution to society



Highlights

- Eskom Development Foundation impacted 196 beneficiary organisations with some 590 440 project beneficiaries for the year
- Total of 43 grants for R47,4 million towards economic and social development projects, national programmes and flagship projects
- 153 donations for R8,4 million for philanthropic and welfare organisations.
- Total grant making to R55,8 million for this reporting year

- Across all major builds projects, the local content exceeds 50%
- B-BBEE⁽¹⁾ spend:
 28,64%
 attributable spend
- Our main contractors have subcontracted from the inception of the build programme some R62 billion locally

(1) Broad-based Black Economic Empowerment







Strategic Initiatives

Brian Dames Chief Executive

Eskom priorities

Eskom



R190bn challenge

Security of supply – options for SA (IRP) Sustainable industry - input to Vision 2025 Economic, social, environmental Industry structure (EDI and ISO)

Maintain Cost business **Efficiencies NERSA** as usual response core strategy 2010 FIFA **Reputation Back2Basics** and IMC World Cup™ management liaison Generation Corporate review **Business Customer Network** Business

EXCO to act as Steering Committee

Board and Shareholder

SA Inc.



Outlook

Mpho Makwana Chairman

On the path to recovery



Securing energy supply	Widening our reserve margin
Driving generating capacity	 Unprecedented build programme Securing the future economic development of South Africa Funding gap of R190 billion over 7 years
Reducing carbon emissions	 Intense focus on reducing carbon emissions Roll-out of renewable projects, energy efficiency and nuclear
Improving productivity and efficiency	 Sensitive to impact of tariffs Efficiency improvements already underway Targets set for further improvements to operating efficiencies
Ensuring a safe environment	Safety is a non-negotiable priority

Working with government in the Inter-ministerial Committee for Energy The Integrated Resource Plan 2 will spell out in clear detail the energy mix that the country will implement in the next 20 years

Outlook for the current financial year

- Significant capacity constraints from the latter part of 2010 to 2013
 - Requires continued focus on demand-side management and power conservation
- Solutions for funding gap well advanced
- Continued partnership and integrated effort required to achieve success
- Government spearheading the investment plan through the IRP2 process
- Focus on reducing electricity theft
 - Proposed changes to Electricity Act
 - Launched Operation Khanyisa campaign to change behaviour and report illegal connections



Thank You