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### Agenda and presenters



Overview of the period	Tshediso Matona
Sustainable asset creation	Tshediso Matona
Operational sustainability	Tshediso Matona
Financial sustainability	Tsholofelo Molefe
Outlook and system update	Tshediso Matona

Throughout this presentation, **comparative period** refers to the six months ended 30 September 2013, while **period** refers to the six months ended 30 September 2014 and **year end** to 31 March 2014

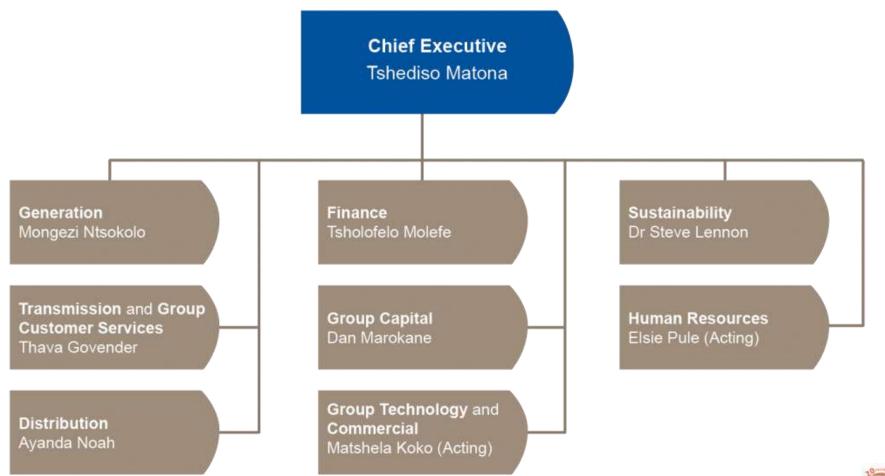




#### Exco structure



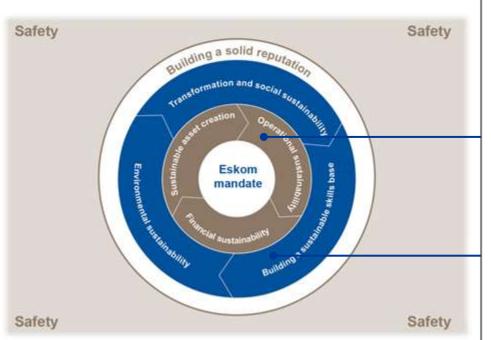
The following changes to the composition of Exco were announced, with effect from 1 November 2014, to bring stability to the organisation



#### Eskom's seven sustainability dimensions



The rapidly changing environment requires a response that will ensure sustainability



Eskom's mandate is comprehensive, focused on seven dimensions of sustainability

- Core areas revolve around the tension of sustainable asset creation, financial sustainability and operational sustainability
- Beyond that, Eskom also needs to ensure a positive wider impact on the environment, contribution to strategic transformation and social sustainability objectives as well as the contribution to a sustainable skills base

Safety will continue to be the foundation for all our operations and is key to Eskom's performance and sustainability

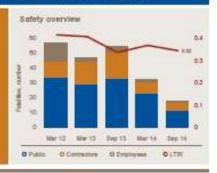


#### Overview of the period

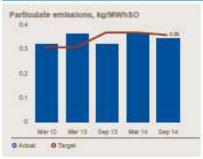


#### Safety remains the foundation of Eskom's operations

No operating condition or urgency of service can justify endangering the life of a person, including the public. or causing injury or harm to the environment



#### Reducing environmental footprint



Eskom remains committed to reducing emissions to minimise the effect of its operations on the environment, and to comply with regulated emission standards

#### Financial sustainability and liquidity under severe pressure

Six month YoY profit R9.3bn

Projected year end profit of R0.5bn

Use of OCGTs and IPPs to ensure security of supply

1.1% wv



Debt profile Mart2 Mart3 Sept5 Mart4 Sept6 O Date securities and borrowings. O Fine funds from operature

Government support package announced, with equity cash injection of at least R20bn

NERSA approved additional revenue of R7.8bn for 2015/16 financial year

Arrear municipal debt deteriorated to R4bn

Power system will remain constrained until more units from the capacity expansion programme come online

All 46 wind turbines installed at **Sere Wind Farm** 

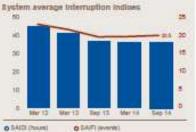
Medupi Unit 6 on track for first synchronisation

More than 1 000MW of renewable IPP generation capacity connected and providing power to the grid

Load shedding only implemented as a last resort to prevent a longer, more damaging shut down of the entire system

Majuba coal silo collapse resulted in supply disruptions; load shedding implemented on Sunday 2 November Load shedding over three evening peak events during winter





No major system incidents



#### Overview of the period



#### **Current status**



 Safety performance trended positively against the comparative period, although contractor and public fatalities remain a concern to Eskom

#### **Future focus**

- Safety will remain a priority until zero harm is achieved
- Significant efforts to manage contractors more effectively and educate public on electrical safety

Sustainable asset creation

**Financial** 

sustainability

- Both Medupi and Kusile have achieved a number of significant milestones since March 2014
- Work stoppage lifted at Ingula
- Sere on track for commercial operation by March 2015
- Financial health deteriorated due to inappropriate return on assets owing to substantial cost increases
   (OCGTs, IPPS and maintenance cost), lower sales volumes and lack of cost-reflective tariffs

- Recovery strategies and productivity improvement plans put in place at Medupi and Kusile
- Commercial strategy was defined to increase contractors' resources and improve performance

Eskom continues to work closely

with Government

 Focus remains on BPP savings
 Eskom is preparing a revenue review application for first year of MYPD 3

Operational sustainability

- constrained power system to meet electricity demand while protecting system integrity, especially after Majuba incident
- Eskom strives to meet electricity demand, but has to do so within financial, operational and environmental constraints
- Financial sustainability paramount

#### **Highlights**

- All 46 wind turbines at Sere wind farm completed, with 20 transformers synchronised to the grid
- Full commercial operation of Sere on track for March 2015
- Employee LTIR target achieved
- On track for first synchronisation of Medupi Unit 6
- Cabinet approved financial support package, with at least R20 billion of equity
- R7.8 billion additional revenue approved by NERSA (MYPD 2 RCA)
- More than I 000MW from RE-IPPs available to the grid
- Network performance better than target
- Winter maintenance plan successfully executed





Sustainable asset creation Tshediso Matona

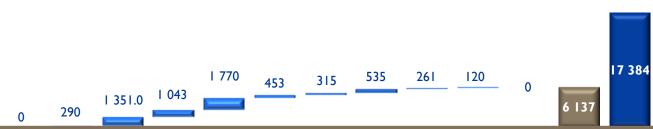
#### Capacity expansion programme overview



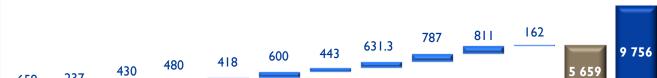
To date, the construction work that has been completed has added ~ 6 137MW of capacity, ~ 5 659km of transmission network and ~ 27 655 of MVAs

### Megawatts MW of capacity





#### **Transmission**



#### **Substations**



#### **MVA**s

**Km lines** 



I. Refers to the target of the total capacity expansion programme

Refer to page 31 in the interim IR for more information

#### Progress on Medupi Power Station



- Processes aimed at schedule recovery in order to meet milestones are showing good results
- Issues around welding on Unit 6 boiler resolved and post-weld heat treatment completed
- Number of significant milestones achieved since
   31 March 2014
  - Boiler chemical clean, draught group test run and site integration tests
  - First coal delivered to the stockyard, commissioning of coal stacker and coal mills progressing well
  - First oil fire
- On track for **first synchronisation**, although risks remain which may cause delays. Full commercial operation expected six months thereafter
- Industrial action during July 2014 delayed progress
- Additional shifts required to recover schedule





### Progress on Kusile Power Station





- Good progress after resolving boiler quality issues and business rescue of FGD contractor
- Number of significant milestones achieved since year end
  - HP rotor and generation step-up transformer were successfully set, and Unit 1 was put on electrical barring
  - Steam turbine lube oil system flush
- On track for first synchronisation
- Industrial action during July 2014 delayed progress
- Productivity improvement plans implemented since to recover schedule after delays experienced after resources were redeployed to Medupi
- Structural bolt failures and overstressed connections delayed air-cooled condensor work
- Non-conformances discovered in Unit I spiral wall



### Progress on Ingula and Sere



- Section 54 work stoppage at Ingula was completely **lifted** during September 2014, thereby resuming work in the inclined-high pressure shafts
- Ingula's two emergency diesel generators, to be used in the event of a black start, have been hot commissioned
- All 46 wind turbines at Sere have been installed
- Transformers of 20 wind turbine generators have been energised, providing 42MW to the grid
- Sere remains on track to be in full commercial operation by March 2015
- Section 54 work stoppage significantly impacted progress at Ingula for almost 12 months
- Forecast first synchronisation of Unit 3 has moved out to first half of 2016

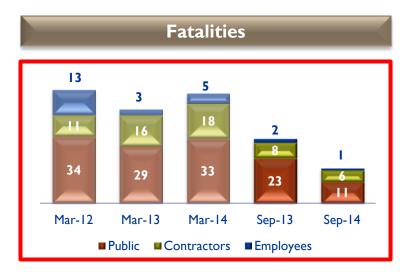






#### Safety





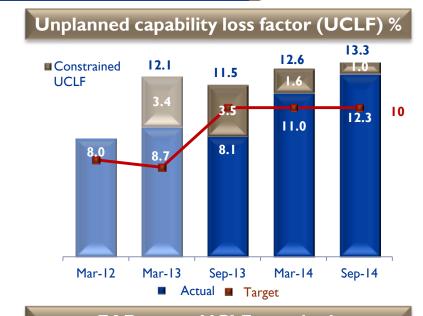
- LTIR performance was better than target
- Although still unacceptable high, the number of fatalities – employee, contractor and public – have **reduced** against the comparative period
- Two business units obtained Blue Flag status for exceptional SHE performance
- Safety performance is not yet at the desired level
- **Number of public fatalities**, mainly from electrical contact and motor vehicle accidents, remain a concern

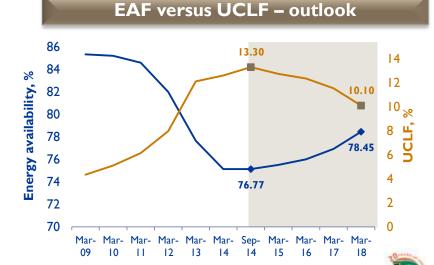


#### Generation performance



- Partial load losses reduced, easing pressure on the constrained power system
- Maintenance of generation plant performed during winter in line with the Generation sustainability strategy
- Load shedding necessitated during June
- Collapse of main coal silo at Majuba Power Station on I November, requiring load shedding to protect the power system
- Increase in outage slips and post-outage
   UCLF (unplanned maintenance)
- Balancing trade-offs between performing adequate maintenance while meeting customer demand, within current financial constraints which limit usage of costly OCGT plant





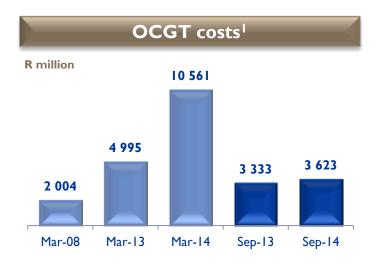
### Majuba recovery programme update

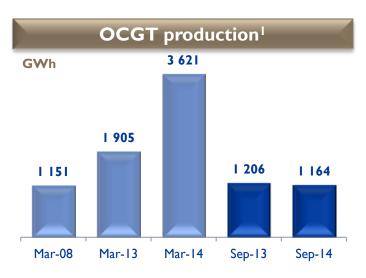


- The programme is being managed with **three distinct solutions**, namely immediate, interim and permanent
- The **immediate solution** deals with the short-term actions to be put in place to recover the capacity of the units and to conduct demolition activities while ensuring safety of personnel
- Immediate solution will be in place until engineering investigations are concluded
- Outcome of engineering investigations will identify the scope of work and subsequent schedule and cost impacts of the interim and permanent solutions
- An interim solution will be required, before a long-term permanent solution can be implemented, to alleviate some of the very complex coal logistics currently in place
- Recovery activities are **progressing to plan** with units operating at 70% of full capacity
- **Supporting activities** (including stakeholder interactions, insurance considerations, environmental impacts and commercial activities) are progressing to plan

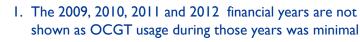
#### Primary Energy







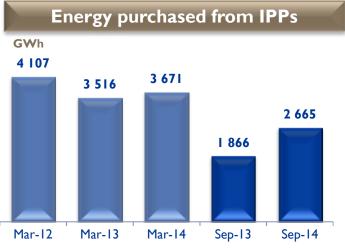
- Coal stock days above target at 46 days
   (target: 42 days), supporting security of supply
- Coal delivered to Medupi from July 2014
- Mokolo Crocodile Water Augmentation
   Project is delivering water to Medupi
- Primary energy cost increased due to high usage of OCGTs
- Load losses still being experienced at Arnot,
   Matla and Tutuka due to poor quality coal
- Majuba rail operation was affected by breakdowns of the tippler offloading system



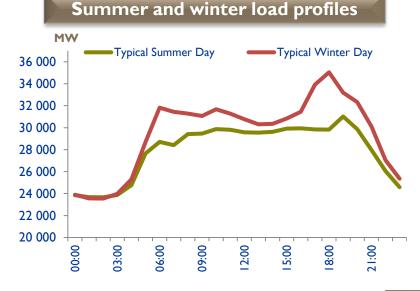


#### Integrated Demand Management and IPPs









- More than I 000MW renewable energy connected and available to the grid
- 4 280MW contracted with IPPs
- 760 IDM projects installed: potential demand savings of 81MW (energy savings 258GWh)
- Dispatchable load of I 417MW is available under the demand response programme
- Funding constraints have impacted funding for IDM projects, significantly affecting performance on demand savings and internal energy efficiency performance
- Challenges connecting future IPPs to the grid, dependent on grid strengthening and refurbishment
- System potentially constrained all day during summer, but mainly over peak in winter

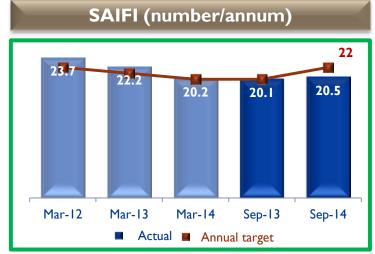


#### Transmission and Distribution performance



- System minutes lost for events < I minute performance better than target
- No major incidents occurred
- SAIDI and SAIFI performance was better than target
- More planned maintenance, which improves network reliability
- **Energy losses** have significantly improved, aided by prosecution of cases of electricity theft, thus more energy available to the network
- Energy imports from Cahora Bassa were affected by availability issues on HVDC transmission lines

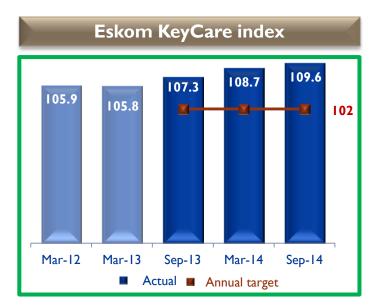


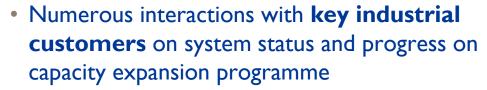




#### Group Customer Services performance







- Good performance on KeyCare and Enhanced MaxiCare measures
- Continuous engagement with customers to contract load reduction allowed for effective planning and prevention of load shedding

#### **Enhanced MaxiCare index**



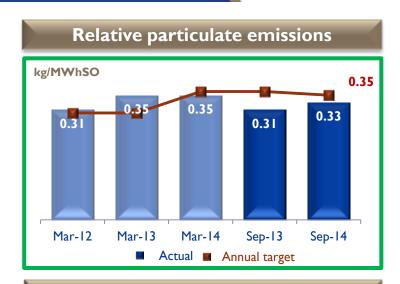
- Load shedding incidents negatively impacted customer satisfaction
- Delay in recovery in demand from key industrial customers to pre-winter levels impacts revenue outlook

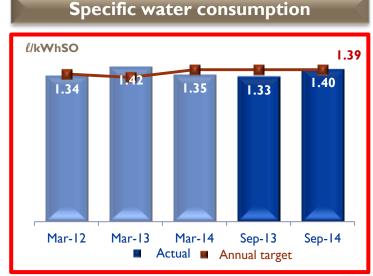


### Environmental performance



- Relative particulate emissions has improved since year end and is better than target
- A number of delayed water use licences have been issued, with six more expected soon
- Significant decrease in number of environmental contraventions
- Financial and system constraints are impacting the implementation of initiatives to improve environmental performance
- Specific water consumption has deteriorated since 31 March 2014 but current year end projections approximate target
- Partial load losses were required in some instances, to comply with atmospheric emission licences







## Financial sustainability Tsholofelo Molefe



#### Financial overview



- Eskom's current financial health is **under strain**, driven by a number of key factors:
  - **Inappropriate return on assets** over a sustained period due to above-inflation cost increases, lower sales volumes and lack of cost-reflective tariffs
  - Escalating Municipal and Soweto arrear debt
  - Substantial cost increases largely due to the need to meet customer demand, while at the same time managing Generation's sustainability
  - **Deteriorating balance sheet** due to an ambitious capital expansion programme to increase capacity and strengthen the network, funded through borrowings
- In addition, new emissions requirements will also require increased funding
- The recent downgrade by Moody's to sub-investment grade may impact availability and affordability of funding, while any further downgrades may trigger loan covenants
- Standard & Poor's retained Eskom's investment grade rating, but with Negative Outlook

### Financial results for the period to 30 September 2014



Measure and unit	Reviewed <sup>1</sup> period to 30 Sept 2014	Reviewed period to 30 Sept 2013	Audited year to 31 March 2014	Audited year to 31 March 2013
Key financial statistics				
Revenue, R million	81 898	77 722	139 506	128 775
(Contraction)/growth in GWh sales volumes, %	(1.4)	(0.1)	0.6	(3.7)
Profit for the period after tax, R million	9 287	12 241	7 089	5 183
Electricity revenue, c/kWh	74.00	68.97	62.82	58.49
Electricity operating costs, c/kWh	62.14	55.29	59.67	54.15
Capital expenditure, R million	27 452	23 440	59 803	60 133
Average days coal stock, days	46	53	44	46
Key financial ratios				
Gross debt securities issued/borrowings, R million	264 915	236 780	254 820	202 956
Debt/equity ratio	2.08	1.72	2.06	1.84

- Revenue reflects impact of 8% tariff increase, coupled with declining demand for electricity
- Primary energy cost increased significantly, particularly due to use of OCGTs and IPP purchases
- **R200 billion** funding plan for remainder of MYPD 3 (I April 2014 to 31 March 2018) is progressing well, with 32.8% of funding secured
- Municipal arrear debt has increased to R4 billion, negatively impacting liquidity
- 1. Figures have been reviewed, but not audited, by the independent auditors, SizeNtsalubaGobodo Inc.



### Income statement for period ended 30 September 2014



	Reviewed	Restated <sup>l</sup> Reviewed period to	Audited
	period to 30 Sep	30 <b>S</b> ep	year to 31 March
R million	2014	2013	2014
Revenue	81 898	77 722	139 506
Other income	452	183	962
Primary energy cost	(38 065)	(31 266)	(69 812)
Operating expenses (including depreciation and amortisation)	(28 544)	(28 622)	(58 293)
Operating profit before net fair value gain and net finance cost	15 741	18 017	12 363
Net fair value loss on financial instruments	(860)	(998)	(620)
Net fair value gain on embedded derivatives	1 621	I 868	2 149
Operating profit	16 502	18 887	13 892
Net finance cost	(3 539)	(1 853)	(4 772)
Share of profit of equity-accounted investees	33	26	43
Profit before tax	12 996	17 060	9 163
Income tax	(3 675)	(4 846)	(2 137)
Discontinued operations	(34)	27	63
Net profit for the period	9 287	12 241	7 089

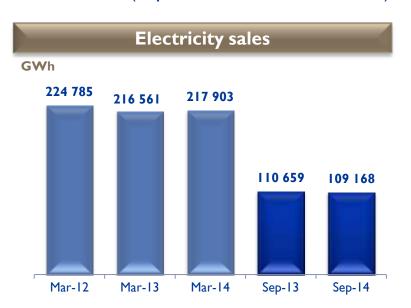
- Group revenue of R81.9 billion (2013: R77.7 billion), an increase of 5.4% against the comparative period, reflecting the contraction 1.35% in sales volumes
- Revenue growth has been offset by escalating primary energy and operating costs
- Embedded derivative gain is mainly due to the closure of the Bayside aluminium smelter
- Finance costs of R8.3 billion were **capitalised** during the period to 30 September 2014 (2013: R6.1 billion)
- Effective tax rate of 28.3% (2013: 28.4%)
- Forecast year end profit: R0.5 billion
- No dividend was recommended

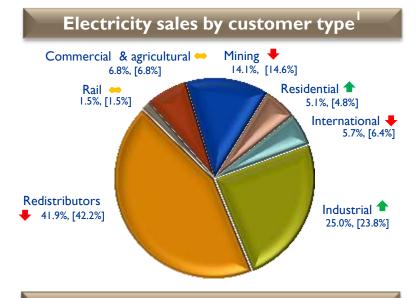


#### Sales and revenue



- **Declining sales volumes**, 1.55% below the year-to-date plan and 1.35% lower than the same period in 2013, largely caused by:
  - Impact of industrial action in platinum sector
  - Contraction in the gold mining sector
  - Closure of the Bayside aluminium smelter
- Local sales of 103 494GWh (September 2013: 104 397GWh), and international sales of 5 674GWh (September 2013: 6 262GWh)



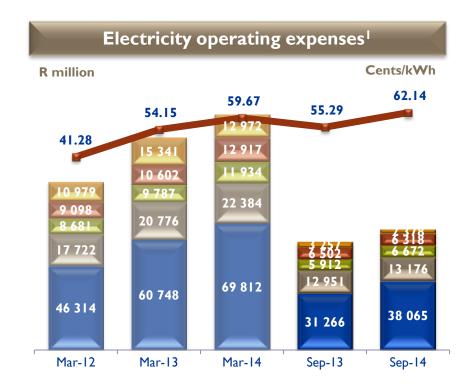




#### Electricity operating expenses



- The electricity operating cost per kWh sold is 62.14c/kWh<sup>2</sup> compared to the March 2014 actual of 59.67c/kWh
- Electricity operating cost is forecast to be in the region of 67.14c/kWh for the year to 31 March 2015, due to anticipated increases in primary energy cost
- The employee benefit expense includes direct and indirect expenditure for the 42 372 Eskom employees (group employees: 46 370)
- Included in other operating expenses is the impairment on arrear debt of 0.91% of revenue (September 2013: 0.90%)



- Other operating expenses, including impairments
- Repairs and maintenance
- Depreciation and amortisation expense
- Employee benefit expense
- Primary energy cost

I. Reflects only company expenses





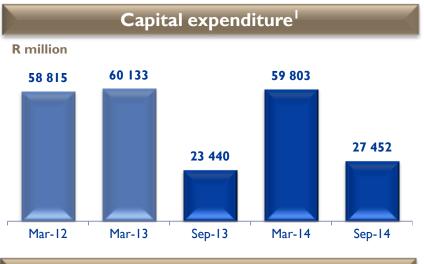
# Financial position Growth in property, plant and equipment (PPE) funded by debt raised

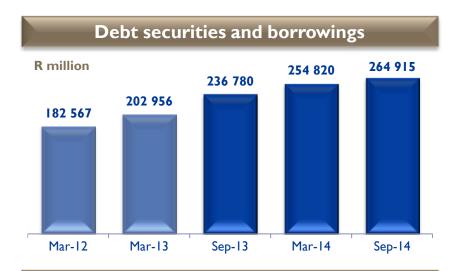


550 000	R million				Liquid assets, 22 609
450 000		Liquid assets, 27 970 Working capital, 29 204	Liquid assets, 43 191 Working capital, 34 977	Liquid assets, 30 583 Working capital, 32 158 Other assets, 37 863	Working capital, 37 306 Other assets, 42 044
350 000	Liquid assets, 40 480 Working capital, 25 911 Other assets, 23 765	Other assets, 30 579	Other assets, 37 131		
250 000					
150 000	PPE and intangible assets, 292 209	PPE and intangible assets, 344 27 I	PPE and intangible assets, 366 366	PPE and intangible assets, 404 389	PPE and intangible assets, 432 375
50 000					
(50 000)	Equity, 103 103	Equity, 109 139	Equity, 123 446	Equity, 119 784	Equity, 128 412
(150 000)	Debt securities and	Debt securities and	Debt securities and	Debt securities and	Debt securities
(250 000)	borrowings, 182 567  Working capital, 33 942	borrowings, 202 956	borrowings, 236 780	borrowings, 254 820	borrowings, 264 915
(350 000)	Other liabilities, 62 753	Working capital, 42 946 Other liabilities, 76 983	Working capital, 39 088	Working capital, 45 607	
(450 000)			Other liabilities, 82 351	Other liabilities, 84 782	Working capital, 45 349 Other liabilities, 95 658
(550 000)	Mar-12	Mar-13	Sep-13	Mar-14	Sep-14
	Debt/equity ratio 1.60	Debt/equity ratio I.84	Debt/equity ratio I.72	Debt/equity ratio 2.06	Debt/equity ratio 2.08

### Investing and funding activities

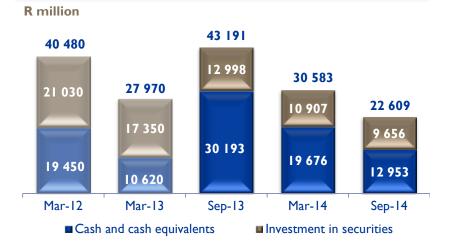


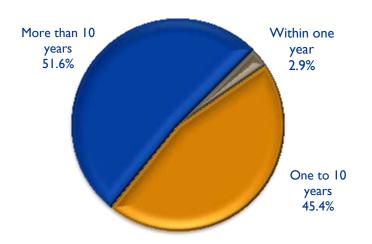




#### Liquid assets at period end

#### Debt and borrowings maturity profile<sup>2</sup>





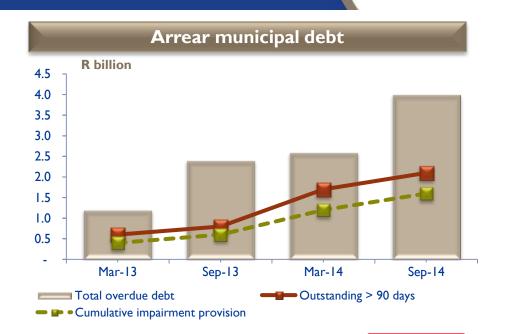
- I. Excluding capitalised borrowing costs
- 2. Represents the repayment of nominal capital and interest in the strategic and trading portfolio



### Arrear municipal debt and debtors ageing



- The increase in arrear municipal and Soweto debt to R4 billion each since year end is of serious concern
- As set out in the table below, 50% of amount outstanding is within the due date (0-15 days)



Electricity debtors age analysis	Total	0-15 days	16-30 days	31-60 days	> 60 days
Large power users, excluding municipalities	7 322	6 018	253	58	992
Large power users, municipalities	9 188	5 184	525	799	2 681
Small power users	2 370	0	1 513	200	657
Soweto	3 995	0	309	230	3 457
Other customers	746	560	137	21	29
Total at 30 September 2014	23 622	11 762	2 737	I 308	7 815
% of total	100%	50%	12%	5%	33%



### Revised funding plan: R200 billion



from I April 2014 to 31 March 2018

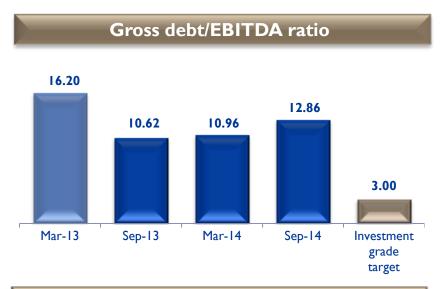
Source of funds	Funding sourced R billion	Currently secured <sup>l</sup> R billion	Drawdowns to date <sup>l</sup> R billion
Domestic bonds	41.0	5.0	5.0
International bonds	42.0	3.3	3.3
Commercial paper <sup>2</sup>	60.0	2.4	2.4
Existing domestic DFIs	6.0	6.0	1.5
Existing international DFIs	32.3	32.3	2.2
Existing ECAs	15.4	15.4	0.9
Other and new sources	2.8	1.1	-
Totals	199.5	65.5	15.3
Percentages		32.8% <sup>3</sup>	23.4%

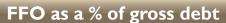
- I. For the period from I April 2014 to date
- 2. Commercial paper is issued for up to one year and then redeemed and reissued for the same net amount. The commercial paper is thus by definition not fully secured for the full period, however, Eskom's long term observations and past trends support a high level of confidence that Eskom will be able to roll over the redemptions each year. For this reason, the gross value of the commercial paper issued is shown as "secured"
- 3. As a percentage of the R199.5 billion funding sourced
- 4. As a percentage of the currently secured total



### Key financial ratios

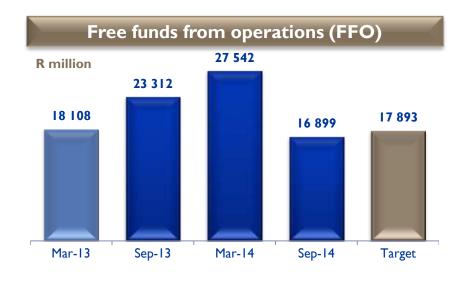








1. In 2012/13 the effect of the remeasurement of the government loan (income of R17.3 billion income) impacted the interest cover ratio



#### Interest cover ratio<sup>1</sup>



Refer to page 37 in the interim IR for more information

### Current Sovereign and Eskom credit ratings

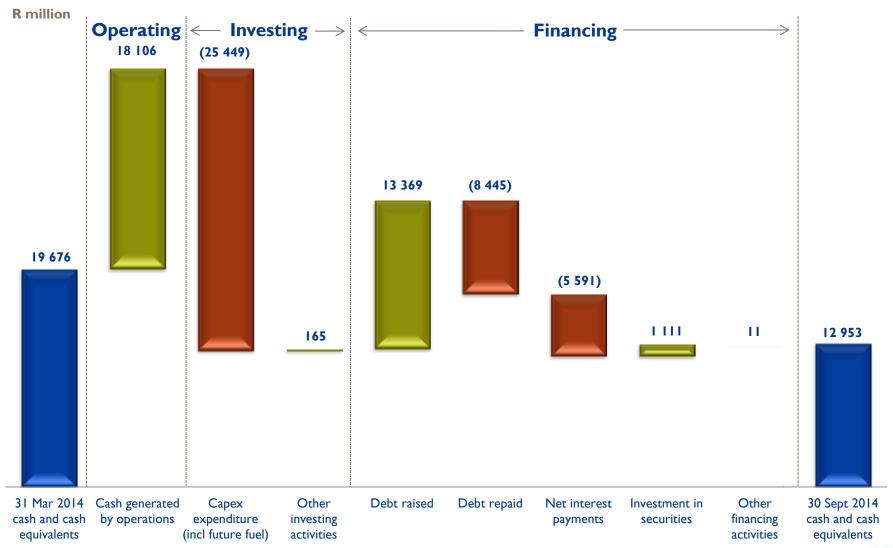


As a significant portion of Eskom's debt is guaranteed by Government, its headline credit rating has been uplifted, but remains closely linked to that of the Sovereign

Rating	Standard & Poor's	Moody's	Fitch
RSA government			
Foreign currency	BBB-	Baa2	BBB
Local currency	BBB+	Baa2	BBB+
Outlook	Stable	Stable	Negative
Eskom Holdings SOC Ltd			
Foreign currency	BBB-	Bal	_
Local currency	BBB-	Bal	BBB+
Standalone	b-	b3	В
Outlook	Negative	Stable	Negative
Action date	11 Nov 2014	7 Nov 2014	18 Jun 2014
Affirmation date	11 Nov 2014	7 Nov 2014	28 Oct 2014

### Summary of cash flows





#### Moving towards financial sustainability



- Steps taken toward **financial sustainability**, some of which are addressed by the Government support package, include:
  - Business Productivity Programme, which targets savings in opex, capex and working capital, as well as cash unlocking initiatives
  - Restriction of the capacity expansion programme to R280 billion, revised upwards from R251 billion based on the additional Government support
  - An increase of R50 billion in the funding plan for the MYPD 3 period, which will be backed by Government guarantees
  - Maintaining an investment grade credit rating, with Government support
  - Equity funding of at least R20 billion to be provided Government, together with possible conversion of the existing shareholder loan to equity
  - Government will support Eskom's application for a tariff increase above 8% for the remainder of MYPD 3, subject to regulatory mechanisms
  - National and Provincial Treasury, and Cooperative Governance and Traditional Affairs are working with Eskom to resolve arrear municipal debt
- NERSA decision on revenue adjustment for MYPD 2 will add revenue of R7.8 billion, but only in the 2015/16 financial year



#### Moving towards financial sustainability continued

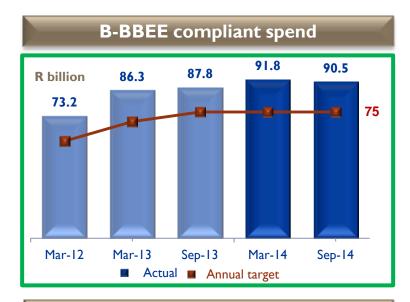


- Work of the Inter-Ministerial Committee, led by the Finance, Public Enterprises and Energy Ministries, continues to explore long-term solutions to Eskom's financial challenges
- In the short term, Eskom has to obtain adequate funding to ensure liquidity, thereby supporting its status as a going concern, and to avoid further ratings downgrades
- Financial support package announced by Government will assist in **easing liquidity pressures**, but **financial sustainability must still be addressed**
- Ratings agencies have indicated that the Government support package has had a stabilising impact and will support Eskom's liquidity and credit metrics
- Key to ensuring financial sustainability is to achieve an **appropriate return on assets** in the long term, and therefore, **cost-reflective tariffs** that allow for the recovery of efficient costs, which implies **above-inflation** tariff increases
- Eskom's Board has resolved that **financial sustainability** and status as a **going concern** cannot be compromised in support of operational sustainability or balancing supply and demand



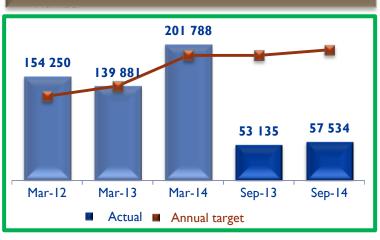
#### Eskom's socio-economic contribution





- Good performance against overall B-BBEE
   compliant spend, as well as spend on certain
   categories of suppliers (black-owned and black
   women-owned suppliers)
- Eskom Development Foundation initiatives have benefitted IOI 836 beneficiaries yearto-date, and include completion of two schools

#### **Number of electrification connections**

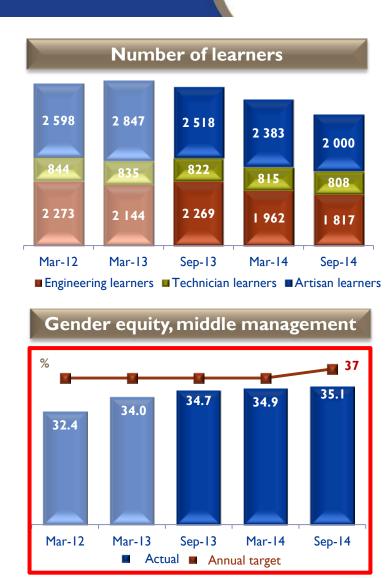


 Performance on certain categories of B-BBEE spend below target (black youth-owned, black people living with disabilities, qualifying small enterprises and exempted micro enterprises suppliers)

#### Internal transformation and building strong skills



- Conclusion of a two-year wage agreement with organised labour provides stability
- Employee numbers kept in check through limited replacement of attrition
- Solid performance on disability equity and racial equity
- Learner pipeline agreed with shareholder on track
- Reduced external recruitment hampers gender equity at senior, middle management and professional levels



# Outlook and system update Tshediso Matona



### System performance over winter



- Eskom has sustained the performance of its generation plant through winter, especially due to a strong focus on addressing partial load losses
- In winter, the load increases by up to 4 000MW, particularly during the evening peak from 5 pm to 9 pm (in particular from 5:30pm to 6:30pm), predominantly due to the use of space heating, geysers and cooking that takes place during that time
- Open-cycle gas turbines (OCGTs) and IPPs are often used to meet demand
- Generation continued with much-needed maintenance of the generating plant
- IPP and municipal generation was also used to offset over-reliance on key customers having to reduce load. Solar and wind assisted, but are highly variable
- A total of I 417MW is available through **demand response** by key industrial customers, with another 2 000MW in the form of **interruptible supply** from smelters
- Eskom had to **load shed** in 2014 **for the first time since 2008**. Load shedding took place for **short periods** on 6 March; 11, 12 and 17 June 2014; and 2 November
- The decision to implement load shedding isn't taken lightly. It is a last resort, to
  prevent the power system from collapsing, which would lead to a country-wide
  blackout, which would negatively impact the economy. The steps prior to load shedding
  includes calling on major industrial customers to reduce load

### System outlook during summer 2014/15



- The system remains tight all day during summer due to the **flat load profile**, due to almost constant industrial load and the impact of air conditioning during the day. The residential component over evening peak is **not as evident** in summer
- Maintenance of power stations will not be compromised, as it ensures a reduction in unplanned outages, thereby ensuring security of supply in the long term. Due to the lower overall demand for electricity, more maintenance is undertaken during summer than in winter
- Major summer risks include the reduced output from Majuba, extended periods of high rainfall impacting coal supply, outage slip and scope extensions, poor coal quality reducing output, diesel supply constraints and continued plant unreliability
- These risks, when superimposed on an already tight system, can result in the need for **demand reduction**
- Renewables, peaking at over 900MW, will potentially offset some of the OCGT usage, but IPPs are mostly unavailable during the evening peak when demand is high
- Eskom will **protect the integrity** of the power system, and will implement **load** shedding if necessary to protect the system from a devastating country-wide blackout
- We thank customers who rallied to the call to reduce energy consumption for beating the short, sharp evening peak in winter and call on customers to Live Lightly in the summer months by reducing demand from 06:00 to 22:00

#### Conclusion



- The power system will **remain constrained** until a substantial number of units from the build programme comes online
- Eskom is on track to achieve first synchronisation of **Medupi Unit 6**, with full commercial operation expected approximately six months thereafter
- We call on customers in the summer months to **Live Lightly** by **reducing demand** from **06:00 to 22:00** to manage the all-day "Table Mountain profile"
- Use of costly **open-cycle gas turbines** beyond budget is **not sustainable** given the financial constraints
- Load shedding will be implemented to protect the power system from total collapse
- Lower summer tariffs and higher maintenance will significantly reduce profit by year end
- Eskom will focus on the following three priorities in the short to medium term, namely sustainable asset creation, financial sustainability and operational sustainability
- Eskom has to **balance** meeting the short-term priority of meeting customer demand with long-term financial and operational sustainability, requiring difficult **trade-offs**
- Board has resolved that financial sustainability and going concern will not be compromised in support of operational sustainability or balancing supply and demand

#### Less is more – Live Lightly!



Know your

number"







- Saving electricity reduces pressure on the grid, cuts your electricity bill and reduces South Africa's carbon emissions
- The power system remains vulnerable all day during summer
  - I. Use air conditioning efficiently
    - Set air conditioning to 23°C
    - Close windows and doors to optimise air conditioning
    - Switch off 30 minutes before leaving the office
  - 2. Switch off all geysers and pool pumps (all day until 9pm), and invest in a timer
  - 3. If you use the pool frequently, **limit pool filtering cycles** to two cycles daily, and not between 5pm & 9pm
  - 4. Switch off all non-essential lighting
  - 5. Respond to Power Alert messages by switching off all appliances that are not being used







# Thank you



This presentation is available at www.eskom.co.za/IR2014/interim





