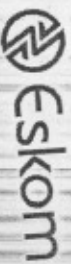


060524 Jclabour

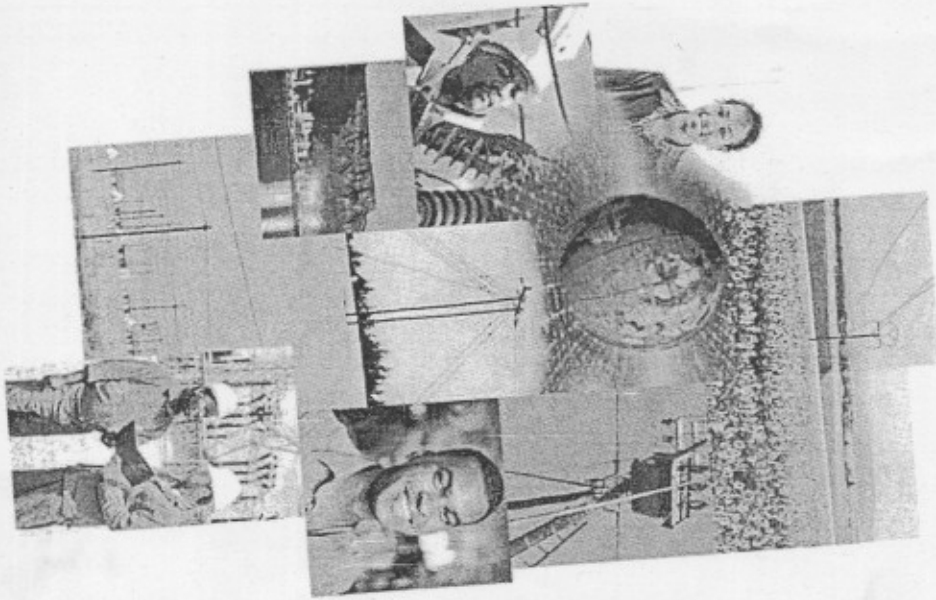
Jclabour 060524  
Saved: maroga

# Cape Recovery Plan Update

Jacob Maroga  
24 May 2006



RED 1



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# Objectives

- Recap Cape Recovery challenges and key mitigating activities
- Provide a progress update on Cape Recovery activities
- Outline the medium term Cape Recovery initiatives

# Western Cape Network – Load and Capacity

## Load

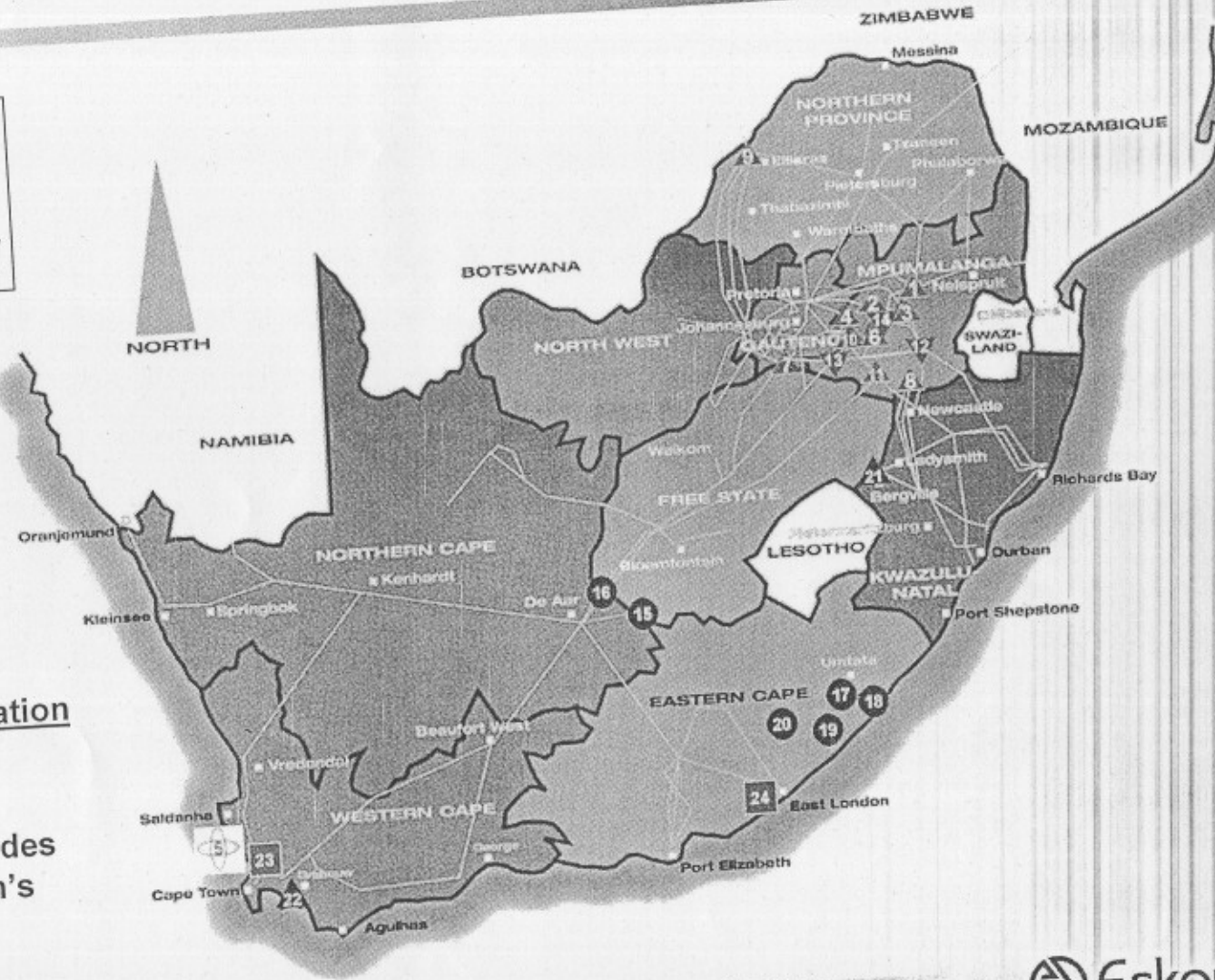
Winter Max : 4250 MW  
 Summer Max : 3900 MW

Transmission Capacity  
 3500

Koeberg Generation  
 1800 MW

Eskom Peaking Generation  
 400 MW Palmiet

Note: The above excludes  
 The City of Cape Town's  
 generation



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# Predicted Weekly Shortfall

- Shortfall Risk: 300 to 400 MW during morning and evening peaks

	Load Forecast	Tx Limit	Koeberg	Palmiet	Customer Interruptability	Predicted shortfall before savings
1-May-06	4043	2694	606	400	200	-143
8-May-06	4094	2736	564	400	200	-194
15-May-06	4223	2778	522	400	200	-323
22-May-06	4202	2820	480	400	200	-302
29-May-06	4103	2400	900	400	200	-203
5-Jun-06	4276	2400	900	400	200	-376
12-Jun-06	4267	2400	900	400	200	-367
19-Jun-06	4207	2400	900	400	200	-307
26-Jun-06	4261	2400	900	400	200	-361
3-Jul-06	4191	2400	900	400	200	-291
10-Jul-06	4128	2400	900	400	200	-228
17-Jul-06	4261	2400	900	400	200	-361
24-Jul-06	4130	2400	1800	400	200	670
31-Jul-06	4151	2400	1800	400	200	649
07-Aug-06	4156	2400	1800	400	200	644
14-Aug-06	4201	2400	1800	400	200	599
21-Aug-06	4204	2400	1800	400	200	596
28-Aug-06	4146	2400	1800	400	200	654
4-Sep-06	4174	2400	1800	400	200	626
11-Sep-06	4067	2400	1800	400	200	733
18-Sep-06	4056	2400	1800	400	200	744
25-Sep-06	3948	2400	1800	400	200	852

# Key Recovery Activities

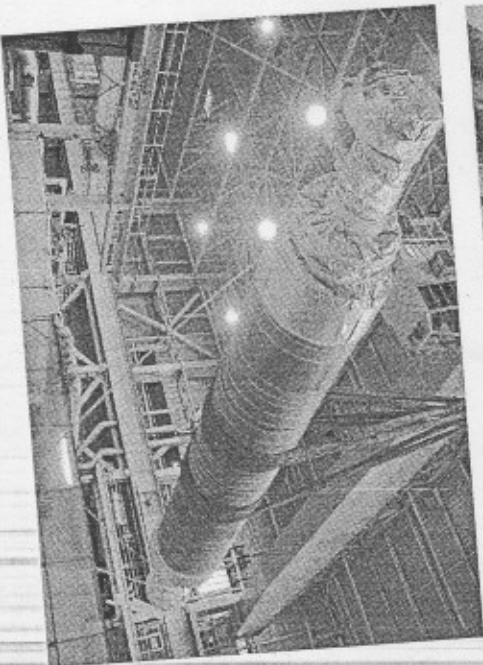
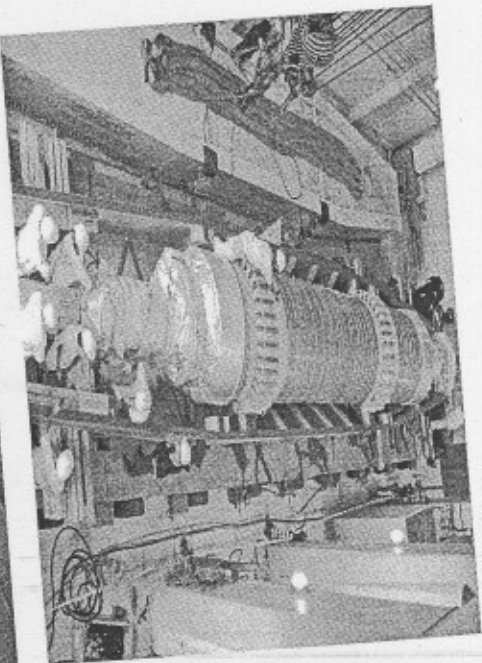
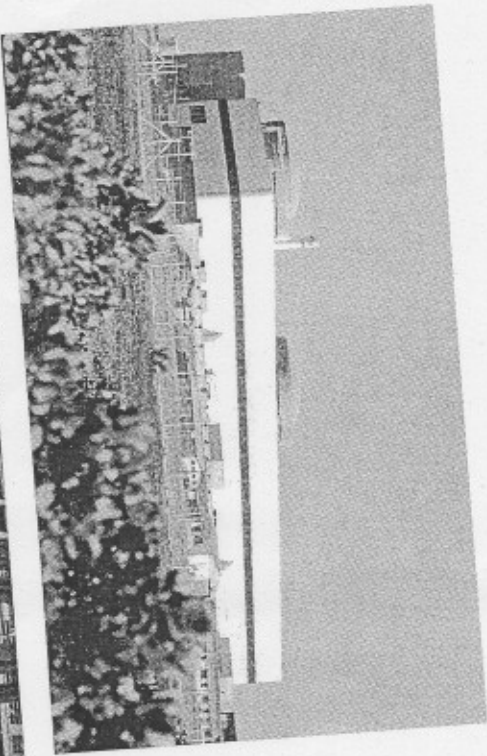
- Supply / Capacity Recovery Activities
  - Koeberg Generation
  - Transmission Grid
  - Leased-in Generation
  
- Demand / Load Reduction Activities
  - Energy Saving programmes
    - Demand Side Management
    - Demand Market Participation
    - Network Optimisation
  
- Load Shedding
  - When demand exceeds supply

## Progress – Koeberg repairs on track

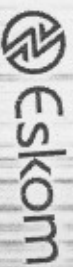
Unit 1	Rebuilding of Stator	4 <sup>th</sup> Week April 2006	Completed
	Arrival of Rotor	4 <sup>th</sup> Week April 2006	Completed
	Ready for Commissioning	2 <sup>nd</sup> Week May 2006	Completed
	<b>Synchronisation</b>	<b>3<sup>rd</sup> Week May 2006</b>	<b>Completed</b>
	Full Load	4 <sup>th</sup> Week May 2006	
Unit 2	Commence Power reduction	4 <sup>th</sup> Week May 2006	Started
	Refuelling outage	4 <sup>th</sup> Week May 2006	
	Synchronisation	3 <sup>rd</sup> Week July 2006	
	Full Load	4 <sup>th</sup> Week July 2006	



# Progress – View of Koeberg repairs



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