

NATIONAL COUNCIL OF PROVINCES



Ministerial Briefing Session



The Impact of Loadshedding in the Provision of Healthcare Services: *Measures to Mitigate Against the Negative Impact of loadshedding in the Provision of Health care Services to Communities*



DATE : TUESDAY, 21 FEBRUARY 2023

Honourable Dr SM Dhlomo, MP



health

Department:
Health
REPUBLIC OF SOUTH AFRICA



PRESENTATION FORMAT



1. Introduction / Background
2. Problem Statement
3. Approach to Solving the Problem
4. Short-term Interventions
5. Exempted Public Health facilities per province
6. Medium-term Interventions
7. Medium to Long-term Interventions
8. Consultative Processes

BACKGROUND



1. Historically:
 - a. All hospitals have backup generators
 - b. Specifically covering sensitive areas like theatre, ICU
2. Extended also to CHC's esp. maternal & neonatal wards
3. Generators – short time stop gap measures
4. High demand introduced by long hours of loadshedding
5. Similar approach to water provision – rain water harvesting and purification

PROBLEM STATEMENT



- **Loadshedding has a negative impact to the provision of health services at health facilities, hospitals and clinics. This has a direct impact on the quality of patient care.**



health

Department:
Health
REPUBLIC OF SOUTH AFRICA



OPERATIONAL CHALLENGES



- Always used fuel generators during power outages
- Generators now to regarded as not adequate to meet demands during load-shedding
- Unbudgeted increase in diesel and oil expenditure including maintenance costs of generators
- Hospitals get forced to switch off some critical areas
- Persistent power surges are significant contributory factor to reduced lifespan of specialised equipment like CT Scans, Radiology and Theatre equipment
- Ultimate result is adverse patient outcomes which pose further medico-legal contingent liabilities.



health

Department:
Health
REPUBLIC OF SOUTH AFRICA



MANAGING THE PROBLEM (i)



- ❑ The National Department of Health has put together a team to prepare a multifaceted strategy to drive interventions
- ❑ The team - jointly led by the Health Director General & Eskom Head of Distribution.
- ❑ Short-term Intervention Team – NDoH DG leading engagements with ESKOM Executive Management – commenced on 22 Sept. 2022.

MANAGING THE PROBLEM (ii)



- ❑ Medium-term Intervention Team – NDOH Head of Infrastructure leading engagements with CSIR - the roll-out of solar energy to all health facilities.
- ❑ Long-term Intervention Team – NDoH DG leading engagements with Eskom Executive Management regarding the installation of dedicated lines for certain hospitals that are deeply embedded within the Eskom's or Municipal networks.



health

Department:
Health
REPUBLIC OF SOUTH AFRICA



SHORT-TERM INTERVENTIONS



SHORT-TERM INTERVENTIONS:

- ❑ Eskom and National Department of Health have been engaging since 22 Sept 2022.
- ❑ The Department has provided Eskom with a list of 213 hospitals to be considered for possible exclusion. About 67% of these are supplied by Municipalities whilst about 33% are supplied by Eskom.
- ❑ Of the 213 hospitals, 76 have been exempted [26 directly supplied by Eskom and 50 by Municipalities].

EXEMPTED FACILITIES PER PROVINCE FOR THE PUBLIC HEALTH SECTOR



EASTERN CAPE		
Name of Hospital	ESKOM / Municipality Supplied	Exempted (Y/N)
Nelson Mandela Academic	Municipality	Yes
Frere Tertiary	Municipality	Yes
Livingstone Tertiary	Municipality	Yes
Dora Nginza Regional	Municipality	Yes
Uitenhage District	Municipality	Yes
Elliot Hospital	Municipality	Yes
PE Provincial	Municipality	Yes

EXEMPTED FACILITIES PER PROVINCE FOR THE PUBLIC HEALTH SECTOR CONT...



LIMPOPO

Name of Hospital	ESKOM / Municipality Supplied	Exempted (Y/N)
Mankweng	Eskom	Yes
Letaba	Eskom	Yes
Dilokong	Eskom	Yes
Lebowakgomo	Eskom	Yes
Mokopane	Eskom	Yes
Thabamopo Mental	Eskom	Yes
Maphutha Malatjie	Eskom	Yes
New Nkhensani	Eskom	Yes
Old Nkhensani	Eskom	Yes



health

Department:
Health
REPUBLIC OF SOUTH AFRICA



EXEMPTED FACILITIES PER PROVINCE FOR THE PUBLIC HEALTH SECTOR CONT...



KWAZULU NATAL		
Name of Hospital	ESKOM / Municipality Supplied	Exempted (Y/N)
Harry Gwala	Eskom	Yes
Ngwelezane	Municipality	Yes
GJ Crookes	Eskom	Yes
Christ The King	Eskom	Yes
Grey's	Municipality	Yes
Ladysmith	Municipality	Yes
RK Khan	Municipality	Yes
Inkosi Albert Luthuli	Municipality	Yes



health

Department:
Health
REPUBLIC OF SOUTH AFRICA



EXEMPTED FACILITIES PER PROVINCE FOR THE PUBLIC HEALTH SECTOR CONT...



KWAZULU NATAL		
Name of Hospital	ESKOM / Municipality Supplied	Exempted (Y/N)
McCords	Municipality	Yes
King Dinizulu	Municipality	Yes
Mahatma Gandhi	Municipality	Yes
Osindizweni	Municipality	Yes
St Aidens	Municipality	Yes
Addington	Municipality	Yes
Clairwood	Municipality	Yes

EXEMPTED FACILITIES PER PROVINCE FOR THE PUBLIC HEALTH SECTOR CONT...



MPUMALANGA		
Name of Hospital	ESKOM / Municipality Supplied	Exempted (Y/N)
Evander	Municipality	Yes
Themba	Eskom	Yes
Mpungwe	Eskom	Yes
KwaMhlanga	Eskom	Yes
WESTERN CAPE		
Name of Hospital	ESKOM / Municipality Supplied	Exempted (Y/N)
George Regional	Municipality	Yes
Tygerberg	Municipality	Yes
Groote Schuur	Municipality	Yes
Red Cross Children's	Municipality	Yes



health

Department:
Health
REPUBLIC OF SOUTH AFRICA



EXEMPTED FACILITIES PER PROVINCE FOR THE PUBLIC HEALTH SECTOR CONT...



NORTHERN CAPE & NORTH-WEST		
Name of Hospital	ESKOM/Municipality Supplied	Exempted (Y/N)
De Aar [N. Cape]	Eskom	Yes
Robert Sobukwe [N. Cape]	Municipality	Yes
Taung [N. West]	Eskom	Yes
Ganyesa [N. West]	Eskom	Yes
Moses Kotane	Eskom	Yes



health

Department:
Health
REPUBLIC OF SOUTH AFRICA



EXEMPTED FACILITIES PER PROVINCE FOR THE PUBLIC HEALTH SECTOR CONT...



FREE STATE		
Name of Hospital	ESKOM/Municipality Supplied	Exempted (Y/N)
Pelonomi	Municipality	Yes
Universitas	Municipality	Yes
National	Municipality	Yes
Free State Psychiatric	Municipality	Yes
Pasteur	Municipality	Yes
Primary Health Care	Municipality	Yes
Botshabelo	Municipality	Yes
Santoord	Municipality	Yes
Oranje Medical Clinic	Municipality	Yes
FS Psychiatric Oranje	Municipality	Yes
Metsimaholo	Municipality	Yes
St Helena	Eskom	Yes



health

Department:
Health
REPUBLIC OF SOUTH AFRICA



EXEMPTED FACILITIES PER PROVINCE FOR THE PUBLIC HEALTH SECTOR CONT...



GAUTENG		
Name of Hospital	ESKOM/Municipality Supplied	Exempted (Y/N)
Charlotte Maxeke	Municipality	Yes
Helen Joseph	Municipality	Yes
Steve Biko Academic	Municipality	Yes
Rahima Moosa Mother & Child	Municipality	Yes
Dr George Mukhari	Eskom	Yes
Odi	Eskom	Yes
Jubilee	Eskom	Yes
Thelle Mogoerane	Eskom	Yes
Sebokeng / Kopanong	Eskom	Yes



health

Department:
Health
REPUBLIC OF SOUTH AFRICA



EXEMPTED FACILITIES PER PROVINCE FOR THE PUBLIC HEALTH SECTOR CONT...



GAUTENG		
Name of Hospital	ESKOM/Municipality Supplied	Exempted (Y/N)
Weskoppies Mental	Municipality	Yes
Tara Mental	Municipality	Yes
OR Tambo Memorial	Municipality	Yes
Pretoria West	Municipality	Yes
Tshwane District	Municipality	Yes
Bronkhorspruit	Municipality	Yes
Kalafong	Municipality	Yes
Nelson Mandela Children's	Municipality	Yes
Chris Hani Baragwanath	Municipality	Yes



health

Department:
Health
REPUBLIC OF SOUTH AFRICA



MEDIUM-TERM INTERVENTIONS (i)



- ❑ National Department of Health in partnership with CSIR is currently conducting a due diligent exercise for the installation of solar panels at all public health facilities.
- ❑ This due diligent exercise is inclusive of solar PV + battery storage as backup for the critical areas of the following hospital types based on an estimated demand profile:

Clinics; Community Health Centres (CHCs); District Hospitals; Regional Hospitals; Tertiary Hospitals; Central Hospitals and Specialized Hospitals

MEDIUM-TERM INTERVENTIONS (i)



- ❑ The purpose of NDOH-CSIR study is to identify a critical consumption for critical areas of each health facility:
- ❑ Study will enable Department to:
 1. Compile a comprehensive business case to justify the required budget;
 2. Identify critical areas within a “health facility” that require a back-up service from the solar energy
 3. CSIR to quantify the required size of solar energy and consider different kits of inverters with batteries for the Clinics and CHC’s. Unlike solar panels, these kits are lockable and not easy to steal.
 4. To map out the roll-out implementation programme for the required solar energy solution for each health facility;

MEDIUM-TERM INTERVENTIONS (ii)



❑ Study to assist:

1. To map out the roll-out implementation programme;
2. Identify areas that can be funded by other donors like USAID and other interested parties;
3. The study is expected to be completed during April 2023;
4. The expected date for implementation/roll-out of the solar energy programme is June 2023 provided that there is enough budget allocated from the National State of Disaster; and
5. The implementation approach will be clustered per province and commence at the same time. The objective of this approach is to accelerate the programme and finish it within the timeline of the National State of Disaster.

MEDIUM TO LONG-TERM INTERVENTIONS



MEDIUM TO LONG-TERM MEASURES BY ESKOM:

□ The preliminary network analysis that has been conducted by Eskom reveals that 46 hospitals in various provinces that can be exempted from loadshedding by installing new infrastructure within a budget cost of approximately R356 358 000. The break-down of possible solutions by Eskom shown below:

Hospital category based on timelines				
	12-14 months	15-26 months	26 months and above	Total
Number of hospitals	11	24	11	46
Total Est costs for infrastructure (R'm)	R34	R216	106	R356



health

Department:
Health
REPUBLIC OF SOUTH AFRICA



MEDIUM TO LONG-TERM INTERVENTIONS



MEDIUM TO LONG-TERM MEASURES BY ESKOM:

- The budget cost to be consolidated within the CSIR Business Case.
- The consolidated Business Case will be submitted during April/May 2023 to the National State of Disaster Committee/National Treasury for funding approval.
- Expected start date of these interventions by Eskom is June 2023.
- The timelines mentioned still dependant on the full cooperation of other stakeholders like local government.

CONSULTATIVE PROCESSES WITHIN THE HEALTH SECTOR



❑ A comprehensive consultative process within the Health Sector was conducted:

1. NDOH with ESKOM 22 September 2022
2. CFOs Forum – 27 October 2022
3. TECH NHC – Special TECH NHC held on 16 November 2022
4. NDOH with ESKOM 05 December 2022
5. NHC – 08 December 2022
6. Continuous engagement with CSIR



health

Department:
Health
REPUBLIC OF SOUTH AFRICA





Thank You



health

Department:
Health
REPUBLIC OF SOUTH AFRICA