

## Position on the supply of electricity to residences- 2024

### Approved at the Meeting of the Emergency Power Response Team on 12 Dec 2023

#### 1. Definitions

- 1.1 Emergency electrical power is defined as an independent reserve source of electric energy which, upon failure or outage of the normal source, can provide reliable electric power for a specified time if available.
- 1.2 Emergency lighting is defined as lighting provided to enable safe egress from a building in the event of a power failure or fire; hence much lower lighting levels are required (0,3Lux on the floor level).

#### 2. Problem Statement

An official statement on the supply of emergency electrical power to residences under the following power outage scenarios is required.



On campus, residences will not be supplied with emergency electrical power

- during office hours since there are other facilities on campus available with emergency electrical power;
- during the period of 00h00 to 04h00 every day;
- during week-ends and holidays when the emergency generation capacity is exhausted, as managed by the NWU Electrical Department.

Where the supply of WiFi in the residences is dependent on the supply of electricity, WiFi will be unavailable during the power interruptions. Residence students are advised to use the on campus WiFi facilities in buildings where emergency power will be available during these periods.

Time of Day	During Loadshedding		During General Power Outage	
	Academic Period and Assessment Periods	Week-ends and Holidays	Academic Period and Assessment Periods	Week-ends and Holidays
00h00-04h00				
04h00-06h00				
06h00-08h00				
08h00-10h00				
10h00-12h00				
12h00-14h00				
14h00-16h00				
16h00-18h00				
18h00-20h00				
20h00-22h00				
22h00-00h00				

\*Periods will be determined as per the academic calendar

	No Generator Power Supplied to Residences
	Generator Power Supplied to Residences

### 3. Use of Heaters and Stoves

#### 3.1 Periods of the year when heaters will be available

Heaters will only be available from 1 Jun to 31 Aug, if there is no load shedding during this period.

During load shedding, especially stage 3 and higher, all heater circuits will be disconnected during these periods as the heaters add a huge demand on the emergency generators and will result that other campus facilities will be without power.

#### 3.2 During Loadshedding with emergency electrical power on

No heaters nor stoves will be allowed to be used during normal loadshedding.

#### 3.3 During a general power outage with emergency electrical power on

No heaters nor stoves will be allowed to be used during general power outages.

### 4. Implementation

Once this position paper is adopted by the Response Team, the following implementation options will be available:

1. Two residences in VC that are leased, are able to switch off the electrical supply to heaters and stoves during loadshedding. They will be allowed to execute the cutoff procedures.
2. Another two leased residences have installed fuses in the electrical outlets that will cause the power supply to be cut off when the heaters and stoves are used during load shedding or general power outages.
3. For the rest of the residences in MC, PC and VC, it will be a residence rule to be enforced by residence officers and House Parents. If students do not adhere to this requirement, warnings and fines will be issued while disciplinary action against continuing offending students will be considered.

\*Assessment periods will be listed as soon as they are available