



CITY OF CAPE TOWN | ISIXEKO SASEKAPA | STAD KAAPSTAD

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## **ELECTRICITY SERVICES OWN USE LOW VOLTAGE GENERATOR**

**1. DECLARATION OF INTENT TO UTILISE OWN USE LOW VOLTAGE STANDBY GENERATOR  
2. APPLICATION FOR CONSENT (IN TERMS OF ELECTRICITY SUPPLY BY-LAW)**

Page 1

**Submit Completed Form to:**

<b>Customer Support Services : North</b>		
Test & Metering Building Ndabeni Electricity Complex 1 Melck St Ndabeni Cape Town	Ndabeni Electricity Complex 1 Melck St Ndabeni MAITLAND 7405	Telephone: (021) 5064819/20  Facsimile: (021) 5064836
<b>or Customer Support Services : East</b>		
Block A Bloemhof Centre Bloemhof Street Bellville	Private Bag X44 BELLVILLE 7535	Telephone: (021) 9187058/669  Facsimile: (021) 9187088
<b>or Customer Support Services : South</b>		
First Floor Wynberg Electricity Depot Rosmead Avenue Wynberg Cape Town	Wynberg Electricity Depot Rosmead Avenue WYNBERG 7800	Telephone: (021) 7635664/93  Facsimile: (021) 7628029

**Name of Applicant:**

**Applicant Contact Person details:**

Name

Telephone number

Office	Mobile
<input type="text"/>	<input type="text"/>

Facsimile number

E-mail Address

**Project Name and location:**

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<b>Mode of Standby Generation:</b> (Tick appropriate box)	Portable generator (Complete Section B, C & E)	✓
	Permanently installed standby generation that is interfaced with the consumer electricity installation. (Complete all sections)	

**SECTION A**

**Construction Schedule:**

Projected construction start date	
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**Type of Energy Conversion:**  
 e.g. Synchronous Generator, Induction Generator, Inverter, Fuel-cell, Dyno set.

**Fuel:**

Type		Capacity	

<b>Site Plan:</b> (Tick appropriate box)	Site plan to show scaled map with existing services	✓
	Future site development plans	

**Land Use Zoning:**

**Preliminary design:**

Design showing generators, transformers, customer circuitry interfacing with City of Cape Town electrical network, isolating devices, protection schemes, operating characteristics, etc.	
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**Total Capacity of Standby Generation (kVA and PF):**  
 (Attach schedule for each unit if more than one generation unit)

**SECTION B**

**Make & model of generating unit/s**

**Protection Details:**

Method used by interlocking mechanism to prevent parallel operation with City of Cape Town distribution network, electrical and mechanical, break-before-make interlock required for generators that are interfaced with the consumer electrical installation.	
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Note:

Soft reconnection

If momentary synchronisation/paralleling with City of Cape Town distribution network is required prior to operating the interlocking device when City of Cape Town supply is restored, a professional engineer/technologist must approve the complete installation.

**SECTION C**

**List of Regulatory requirements and normative references:**

(Tick appropriate box)  
✓ or N/A

	✓
AMEU guidelines for the Safe Use of Portable Generators on Utilities Networks, Revision 10 dated 27 June 2008	
Department of Environmental Affairs & Tourism in terms of Environmental Conservation Act, No. 73 of 1989 as amended and National Environmental Management Act, No. 107 of 1998 as amended	
Electricity Supply By-Law	
Explosives Act, No. 26 of 1956, as amended	
NRS 003, SANS 62271 : 11kV switchgear and control panels	
NRS 029 : Current transformers for a.c. voltages (3,6kV - ≤ 420kV)	
NRS 030 : Voltage transformers for a.c. voltages (3,6kV - ≤ 145kV)	
NRS 034 : Design guidelines (where applicable)	
NRS 054 : Power transformers	
Occupational Health and Safety Act, No. 85 of 1993, as amended	
SABS ISO 8628 (Parts 1 – 8) : 1993 – Reciprocating internal combustion engine driven alternating current sets	
SANS 342, SANS 10089 – Petroleum and diesel fuel	
SANS 10142-1, The Wiring of Premises Part 1. A completed copy of the Certificate of Compliance for the complete electrical installation must be submitted prior to reconnection of the supply to the premises after installation work that specify the electrical and mechanical break, before make interlock that prevents paralleled operation with City of Cape Town electrical network.	
SANS 60034 : Rotating electrical machines	
<u>Soft reconnection:</u> Written approval provided by a professional engineer/technologist for the complete electrical installation design, construction and commissioning is required.	

**SECTION D**

**Clearance by other CoCT departments**  
(required for permanently installed standby generators)

FUNCTION	SECTION	COMMENTS	NAME	SIGNATURE	DATE
Zoning/ Subdivision/ Building Structure Plans	Planning and Building Development Management (Area offices)				
Noise impact assessment and ventilation	City Health Specialised Services Cape Town Civic Centre, 22 <sup>nd</sup> Floor 021-4003781				
Air pollution and quality (Fuel burning)	City Health Specialised Services 246 Voortrekker Rd, Vasco 021-5901419				

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**SECTION E**

**Any other additional information:**

I request the City of Cape Town Electricity Services to proceed with a preliminary review of this standby generation application and agree to pay the cost associated with completing this review and giving written consent.

**Application Completed By:**

<b>Name:</b>	<b>Title:</b>

**Date:**

**Signed:**

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**FOR OFFICE USE**

**Date Application Received:**

**Application Reference No.**

**Further Information Required:**

YES / NO

**Date Received:**

**In-principle Consent Given:**

YES / NO

**Date Applicant Advised:**

**Copy to Area Engineering Support:**

YES / NO

**Date Completed:**