



Instantaneous Demand Response Programme

Addressing the national system frequency at acceptable limits

Introduction

Load Providers contracted to respond to a fall in the frequency on the national power network caused by a sudden change in the balance between supply and demand. The purpose of Instantaneous Reserve is to maintain the national system frequency at acceptable limits following a contingency, for example a unit tripping at a power station. Load Providers must respond fully within 6 seconds and the reduction must be sustained for at least 10 minutes.

What is offered?

Eskom will compensate customers who qualify to participate and are able to:

- Reduce load within 6 seconds of notifications; and
- Sustain this reduction for a maximum of three events per day for a duration of 10 minutes per event

Key features

The minimum load entry of 10MW is required to participate.

- Load Providers scheduled a day ahead are dispatched instantaneously (<6sec) on the day (when the network frequency reaches a pre-set level) for a maximum of 10 minutes thus assisting the system operator to stop the possible frequency decline.
- 3 x 10 min/day events, average 200 on target events per annum
- Special metering is necessary.
- Load Providers are paid a standby payment, but no energy payment.

Process details

Step 1

E-mail Ferdi Becker (BeckerF@eskom.co.za) or Gary Dysel (DyselG@eskom.co.za) for more information

Step 2

Meet with an Eskom representative at your premises to facilitate your participation.

Step 3

Sign a standard legal agreement with Eskom

Step 4

Register as an Eskom vendor (if you are a non-Eskom customer) that will enable you to receive payments

Contact details

For more information, please feel free to contact either Ferdi Becker (BeckerF@eskom.co.za) or Gary Dysel (DyselG@eskom.co.za) directly.