
Schedules to Chapter 8

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SCHEDULE 8.1

METHOD OF CALCULATING SUPPLY RELIABILITY PERFORMANCE

(a) The method of calculating supply reliability performance is as follows:

Target	Column		Definition
Annual number of supply interruptions, on average, per supply reliability category	Column A	=	$\frac{\sum \Phi_{(j,C)} \Theta_j}{\sum \Theta_{(j,C)}}$
Annual number of supply interruptions, on average, per supply reliability area	Column B	=	$\frac{\sum \Phi_{(j,R)} \Theta_j}{\sum \Theta_{(j,R)}}$
Annual duration of supply interruptions, on average, per supply reliability category	Column C	=	$\frac{\sum \Delta_{(j,C)} \Theta_j}{\sum \Theta_{(j,C)}}$
Annual duration of supply interruptions, on average, per supply reliability area	Column D	=	$\frac{\sum \Delta_{(j,R)} \Theta_j}{\sum \Theta_{(j,R)}}$

Where:

- $\Phi_{(j,C)}$ is the number of interruptions for transformer j in supply reliability category C in a year
- $\Phi_{(j,R)}$ is the number of interruptions for transformer j in supply reliability area R in a year
- $\Theta_{(j,C)}$ is the installed capacity of transformer j in supply reliability category C
- $\Theta_{(j,R)}$ is the installed capacity of transformer j in supply reliability area R
- Θ_j is the installed capacity of transformer j
- $\Delta_{(j,C)}$ is the duration of outages for transformer j in supply reliability category C in a year
- $\Delta_{(j,R)}$ is the duration of outages for transformer j in supply reliability area R in a year

Column refers to the relevant standard as outlined in Table 3 of Chapter 8.

Φ and Δ exclude:

- *outages* resulting from *generation*, *transmission* and third party causes;
- *outages* resulting from load shedding at Ministerial direction;
- momentary *outages* (ie *outages* of less than 1 minute);
- *outages* that are requested by the *customer*; and
- *outages* resulting from *disconnection* for non-payment.