



CATALOGUE OF MONITORING INDICES

Pursuant to section 4.3.4 of Chapter 3 of the Singapore Electricity Market Rules, the Market Surveillance and Compliance Panel ("MSCP") has adopted the catalogue of monitoring indices attached.

As required under section 4.3.2 of Chapter 3, the catalogue of monitoring indices was developed by the Market Assessment Unit ("MAU"), under the supervision and direction of the MSCP. It is a catalogue of the monitoring indices that the MSCP/MAU will use to evaluate the data acquired pursuant to the catalogue of data.

The catalogue of monitoring indices was adopted by the MSCP after taking into account public comments received through consultation with market participants, service providers and all other interested parties in accordance with section 4.3.3 of Chapter 3.

29 July 2004

**Catalogue of Monitoring Indices
National Electricity Market of Singapore
Effective from 1 August 2004**

Type of Indices	Description of Indices
Supply Indices	Capacity ratio of a generation registered facility – Ratio of a generation registered facility’s (a) scheduled generation output to (b) maximum generation capacity
	Supply cushion - Ratio of (a) the difference between total offered volume and system demand to (b) total offered volume
	Outage frequency
	Market share by (a) generation licensee and (b) generation registered facility
	Comparison of metered generation quantity with scheduled dispatch quantity by generation registered facility/generation licensee
	Frequency of issuance by PSO of dispatch instructions deviating from real-time dispatch schedule
	Frequency of offer variations or revisions to standing offers exceeding offer change limits
Demand Indices	Comparison of latest available very short-term load forecast with real-time load forecast and Comparison of real-time load forecast with metered generation quantity
Price Indices	Trend of USEP, reserve prices, regulation price and comparison of trends
	Percentage of hours and quantity of load when WEP ¹ falls into a particular price range
	Correlation between WEP and system demand
	Correlation between WEP and fuel price
	Comparison of latest available short-term schedule projected prices with real-time prices

¹ The Wholesale Electricity Price (“WEP”) comprises of the Uniform Singapore Energy Price (“USEP”), the Allocated Regulation Price (“AFP”), Hourly Energy Uplift Charge (“HEUC”), Monthly Energy Uplift Charge (“MEUC”), EMC administrative costs and PSO administrative costs.