



# CEM Quarterly Report

(Jan - Mar 2007)

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## 1. Corporate Highlights

### **Fuel Clause Adjustment Reduction to 23 Cents per kWh**

The increase in demand for power, the increase of electricity importation from the mainland, the agreed reduction in the rate of permitted return, and the continuous improvement in the efficiency of CEM has meant that the formula used for the calculation of the fuel clause adjustment is no longer adequate and so it has been agreed that a new integrated calculation is to be introduced. Although this new calculation was not yet ready to be implemented in the first quarter of 2007, CEM anticipated the effects that were expected to occur, and has introduced a discount of 35% on the fuel clause adjustment. Thus, the discounted fuel clause adjustment applied in the mentioned period was 23 cents, 13 cents less than the fuel clause adjustment of 36 cents that was in force in the last quarter of 2006; in another words, a reduction of 10% on the average global tariff.

### **Complimentary *lai see* envelope for promotion of energy usage safety**

To promote the safe use of energy and to celebrate the approach of Chinese New Year, CEM prepared some *lai see* envelopes with printed useful energy safety tips and distributed these to customers visiting the CEM Customer Contact Centre before Chinese New Year. This initiative was aimed at encouraging customers to apply the tips in their daily lives enabling them to enjoy a comfortable lifestyle brought about by electricity.

### **CEM Ambassadors visit senior citizens before Chinese New Year**

CEM organized over 20 staff, mainly from CEM Ambassadors Team, to visit *Ilha Verde* Senior Citizens Home before Chinese New Year. CEM staff arranged a special "Energy Usage Tips" presentation, aimed at providing useful power usage safety tips and informing the seniors about how to save energy. CEM staff offered presents and *lai see* envelopes, while spending a light-hearted and joyous afternoon with the more than 100 seniors attending the visit.

### **CEM General Meeting decisions on 29 March**

CEM held its Annual General Meeting on 29 March at CEM Headquarters. During the meeting shareholders were informed of the main events occurred in year 2006, namely that sales grew by 12.5% while power importation represented 37% of the supply mix, and the annual investment amounted to MOP554 million mainly in the area of transmission and distribution network. At the meeting shareholders approved the report and accounts of 2006, with a net operating profit amounting MOP396.6 million, less than the amount achieved in 2005.



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## 2. Electricity Sales by Classification

	YTD2006		YTD2007		Change
	Sales (MWh)	Market Share (%)	Sales (MWh)	Market Share (%)	2006/2007 Sales (%)
<b>Industrial</b>	<b>28,248</b>	<b>6.7</b>	<b>30,148</b>	<b>5.8</b>	<b>6.7</b>
<b>Construction and Public Works</b>	<b>9,942</b>	<b>2.4</b>	<b>33,644</b>	<b>6.4</b>	<b>338.4</b>
<b>Commercial (incl. gaming)</b>	<b>201,240</b>	<b>47.5</b>	<b>250,704</b>	<b>48.1</b>	<b>24.6</b>
<b>Residential</b>	<b>117,157</b>	<b>27.6</b>	<b>130,080</b>	<b>25.0</b>	<b>11.0</b>
<b>Administration, Public Lighting and Personal Services</b>	<b>66,988</b>	<b>15.8</b>	<b>76,666</b>	<b>14.7</b>	<b>14.5</b>
<b>Total</b>	<b>423,575</b>	<b>100.0</b>	<b>521,242</b>	<b>100.0</b>	<b>23.1</b>

## 3. Monthly Peak Load

MVA	2006	2007	Variance (%)
Jan	298.8	333.2	12
Feb	303.9	357.2	18
Mar	323.3	401.1	24

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## 4. M - Index

mm:ss	2006	2007	Variance (%)
Jan	00:04	00:35	775
Feb	00:25	00:46	86
Mar	00:11	00:08	-27
YTD	00:40	01:29	124

M-index =  $\Sigma i / \Sigma Pi$

$\Sigma i$  = Total interruption power x interruption time

$\Sigma Pi$  = Sum of installed power (kVA) for all the 11/0.4kV customer substations

**M-index represents the equivalent time of energy not supplied to the network.** The figures indicated include planned interruption.

YTD ASAI is 99.9993% and moving-12-month 99.9991%.

## 5. SAIDI - System Average Interruption Duration Index

Minutes	2006	2007	Variance (%)
Jan	0.04	0.37	750
Feb	0.07	0.45	525
Mar	0.13	0.11	-19
YTD	0.25	0.93	272

SAIDI =  $\Sigma$  (Affected Customers x Affected Hours) / Total Customers Served

SAIDI represents the equivalent interruption time per customer.

**SAIDI has worsened over last year by 272%.**

## 6. SAIFI - System Average

	2006	2007	Variance (%)
Jan	0.01	0.03	270
Feb	0.02	0.03	49
Mar	0.01	0.00	-63
YTD	0.04	0.06	52

SAIFI =  $\Sigma$  (Affected Customers) / Total Customers Served

SAIFI represents the percentage of customers affected by an outage.

**SAIFI worsened over last year by 52%.**

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## 7. Number of Work Accidents:

Month/Year	2006	2007
Jan	3	1
Feb	0	1
Mar	0	1
Total	3	3

## 8. IFR - Injury Frequency Rate

	2006	2007	Variance %
Jan	24.40	7.63	(68.75)
Feb	0.00	9.33	N/A
Mar	0.00	7.55	N/A

## 9. ISR - Injury Severity Rate

	2006	2007	Variance %
Jan	797.05	99.13	(87.56)
Feb	0.00	86.96	N/A
Mar	0.00	98.16	N/A