

**GRID SYSTEM OPERATION SUMMARY (SABAH)**

	<b>FORECAST</b>	<b>ACTUAL</b>	<b>VARIANCE</b>
<b>Maximum Demand (11th JAN' 2013)</b>	800 MW	777 MW	-2.85%
<b>Maximum Energy (11th JAN 2013)</b>	15.9 MW	15.5 GWh	-2.52%
<b>Maximum Demand (record high 28/06/11)</b>	800 MW	830 MW	3.76%

Prepared by:

Electricity Market Operations

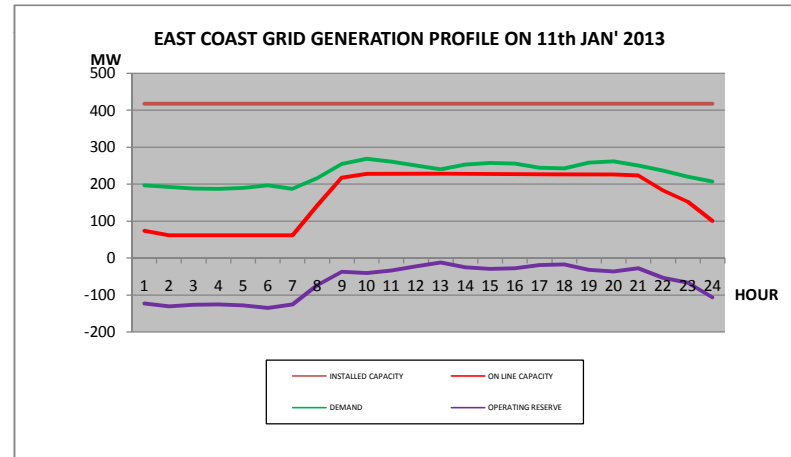
Electricity Supply & Market Regulations Dept.

Energy Commission Malaysia

14-Jan-13

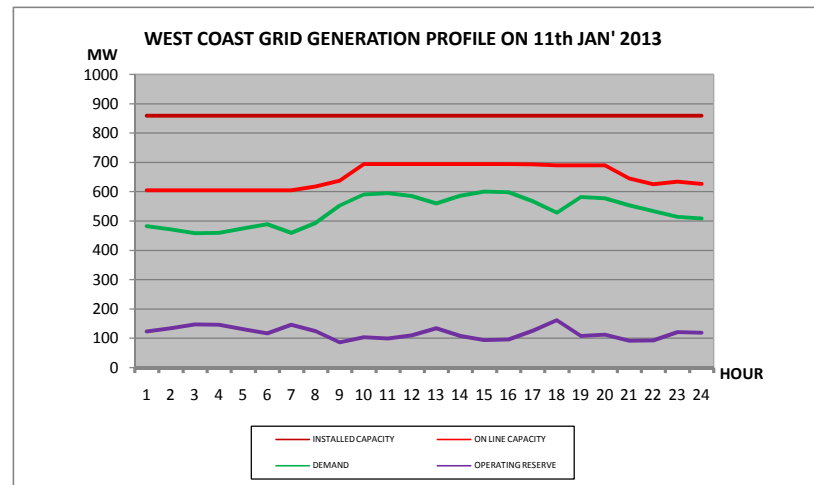
<b>EAST COAST GRID</b>																									
<b>INSTALLED CAPACITY</b>		417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	
<b>ON LINE CAPACITY</b>		74	62	62	62	62	62	62	142	217.7	227.7	227.7	227.7	227.7	227.7	227.7	227.7	225.7	225.7	225.7	225.7	223.5	183	153	101
<b>DEMAND</b>		197.2	192.49	188.57	187.69	190.46	197.07	187.45	215.87	255.23	268.88	261.41	250.59	240.08	253.28	257.31	255.99	244.63	242.88	258.2	262.29	251.05	237.1	220.16	207.45
<b>OPERATING RESERVE</b>		-123.2	-130.49	-126.57	-125.69	-128.46	-135.07	-125.45	-73.87	-37.53	-41.18	-33.71	-22.89	-12.38	-25.58	-29.61	-28.29	-18.93	-17.18	-32.5	-36.59	-27.55	-54.1	-67.16	-106.45
East Cost		9227.34	7985.39	8202.94	8127.38	8145.12	8025.11	8030.1	14726.1	23442.1	26387.4	27740.3	25942.1	26200.1	27047.7	27212.1	26502.1	24044.8	25579.7	26127.9	25902.7	25110.2	19754.9	17059.4	11848.7

EAST COAST GRID OPERATION



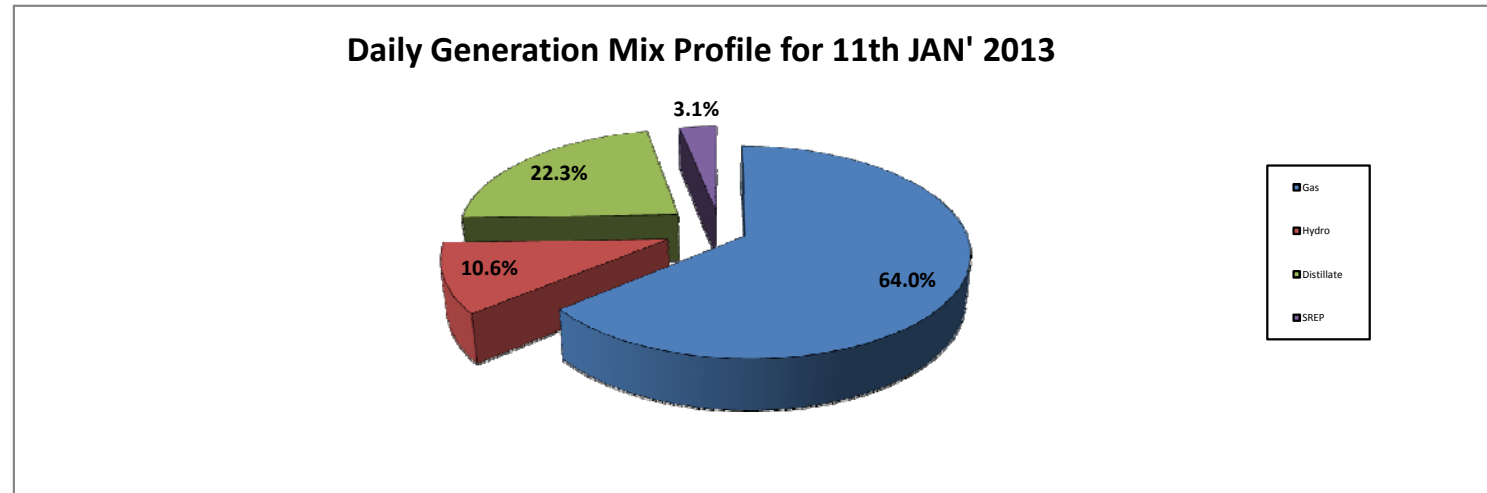
<b>WEST COAST GRID</b>																									
		<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>	<u>13</u>	<u>14</u>	<u>15</u>	<u>16</u>	<u>17</u>	<u>18</u>	<u>19</u>	<u>20</u>	<u>21</u>	<u>22</u>	<u>23</u>	<u>24</u>
<b>INSTALLED CAPACITY</b>		858.5	858.5	858.5	858.5	858.5	858.5	858.5	858.5	858.5	858.5	858.5	858.5	858.5	858.5	858.5	858.5	858.5	858.5	858.5	858.5	858.5	858.5	858.5	858.5
<b>ON LINE CAPACITY</b>		604.5	604.5	604.5	604.5	604.5	604.5	604.5	617.5	637.1	693.7	693.7	693.7	693.7	693.7	693.7	693.7	693.1	689.5	689.5	689.5	644.5	625.5	634	626
<b>DEMAND</b>		481.8	470.6	457.5	458.1	473.7	487.9	458.4	492.9	551.35	590.75	595.15	584.25	559.15	585.65	600.15	598.45	567.4	528	581.8	577.6	553.1	533.7	513.2	507.8
<b>OPERATING RESERVE</b>		122.7	133.9	147	146.4	130.8	116.6	146.1	124.6	85.75	102.95	98.55	109.45	134.55	108.05	93.55	95.25	125.7	161.5	107.7	111.9	91.4	91.8	120.8	118.2
West Cost		34720.5	34287.3	33439.4	33559.5	34302.3	35240.1	33488.7	36593.7	41878.8	46787.5	47611.7	46789.5	44945.8	46737.4	47973.8	47823.3	45749.3	42610.3	45971.1	45637	42582.3	39899.5	38571	37710.3

WEST COAST GRID OPERATION



**Generation Mix Profile for 11th January 2013**

Gas	10,152 MWh
Hydro	1,682 MWh
Distillate	3,545 MWh
SREP	496 MWh



	DISTILLATE	GAS	HYDRO	BIOMASS
SESB	1,594.10 MWh	2,042.90 MWh	1,576.00 MWh	- MWh
IPP	1,950.60 MWh	8,108.60 MWh	105.90 MWh	- MWh
SREP	- MWh	- MWh	- MWh	496.00 MWh
<b>TOTAL</b>	<b>3,544.70 MWh</b>	<b>10,151.50 MWh</b>	<b>1,681.90 MWh</b>	<b>496.00 MWh</b>

	DISTILLATE	GAS	HYDRO	BIOMASS
SESB	10%	13%	10%	0%
IPP	12%	51%	1%	0%
SREP	0%	0%	0%	3%
<b>TOTAL</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>
<b>TOTALLY</b>	15,874.10			

DIST (IPP)	12%
DIST (SESB)	10%
SREP	3%
GAS (SESB)	13%
GAS (IPP)	51%
HYDRO (SESB)	10%
HYDRO (IPP)	1%
total	100%

