

## GRID SYSTEM OPERATION SUMMARY (SABAH)

	FORECAST	ACTUAL	VARIANCE
Maximum Demand (10th FEB' 2013)	700 MW	645 MW	-7.91%
Maximum Energy (10th FEB' 2013)	14.3 MW	12.4 GWh	-13.29%
Maximum Demand (record high 28/06/11)	800 MW	830 MW	3.76%

Prepared by:

Electricity Market Operations

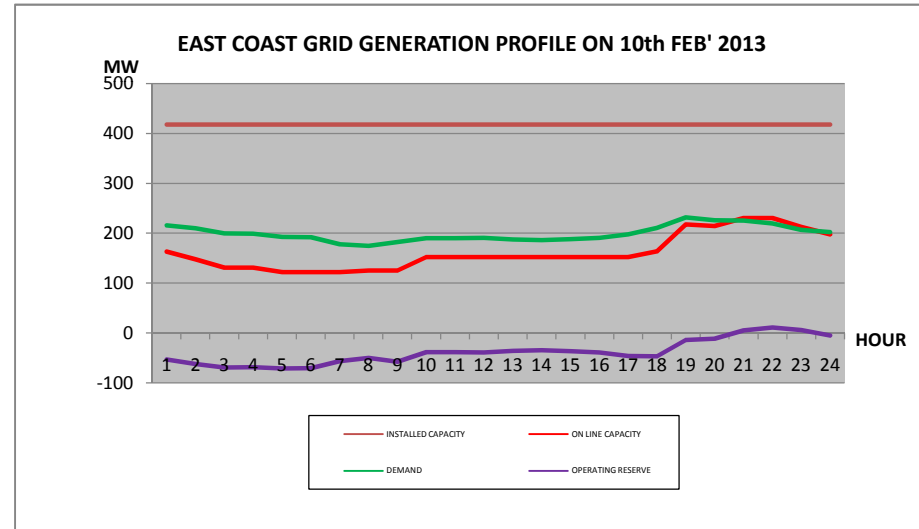
Electricity Supply & Market Regulations Dept.

Energy Commission Malaysia

27-Feb-13

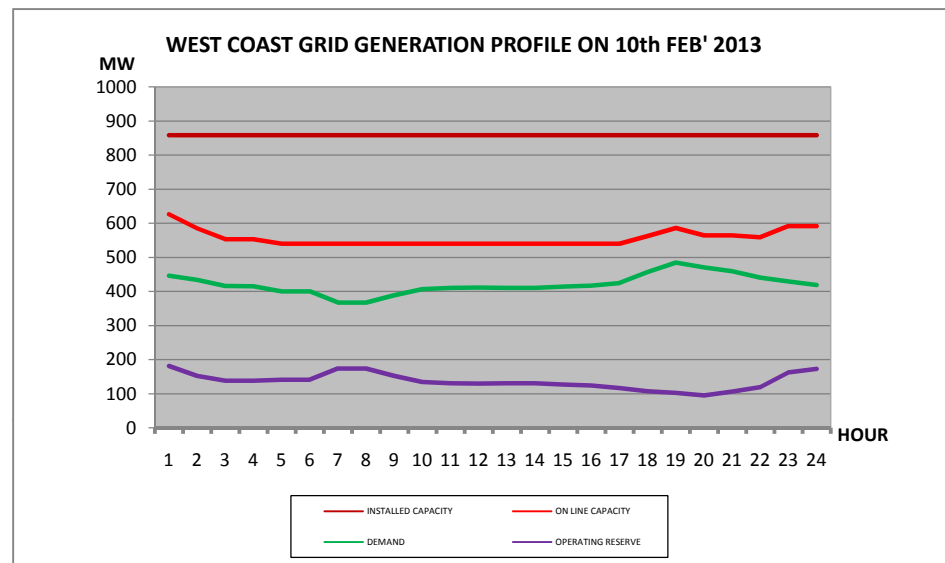
<b>EAST COAST GRID</b>																									
<b>INSTALLED CAPACITY</b>		417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	
<b>ON LINE CAPACITY</b>		163	148	131	131	122	122	122	125	125	152	152	152	152	152	152	152	152	164	217.5	214.5	230.5	230.5	212.5	197.5
<b>DEMAND</b>		215.77	209.99	200.07	199.52	193	192.38	178.02	174.95	182.43	190.25	190.03	190.83	187.5	186.38	188.27	190.72	197.9	210.76	231.82	225.86	225.38	219.55	206.99	202.31
<b>OPERATING RESERVE</b>		-52.77	-61.99	-69.07	-68.52	-71	-70.38	-56.02	-49.95	-57.43	-38.25	-38.03	-38.83	-35.5	-34.38	-36.27	-38.72	-45.9	-46.76	-14.32	-11.36	5.12	10.95	5.51	-4.81
East Cost		18180.5	17906.3	15972.1	15664	14836.4	15039.9	14545.8	14602.1	14735.3	17033.8	17412.5	17363.9	17354.8	17337.3	17285.4	17500.9	17458.6	19148.4	25953	26419.9	26598.1	26033.3	24414	22949.8

EAST COAST GRID OPERATION



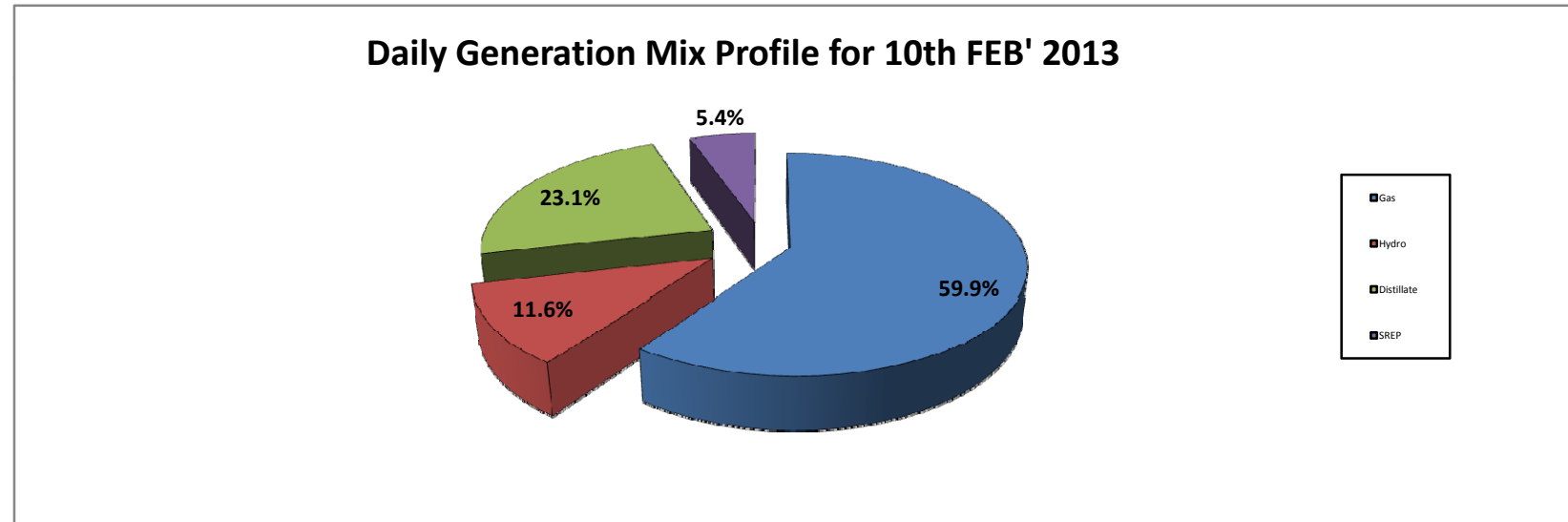
<b>WEST COAST GRID</b>																									
		<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>	<u>13</u>	<u>14</u>	<u>15</u>	<u>16</u>	<u>17</u>	<u>18</u>	<u>19</u>	<u>20</u>	<u>21</u>	<u>22</u>	<u>23</u>	<u>24</u>
<b>INSTALLED CAPACITY</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>		626	585	553	553	540	540	540	540	540	540	540	540	540	540	540	540	540	562.6	586.2	564.2	564.2	559	591	591
<b>DEMAND</b>		445.15	433.3	415.8	414.9	399.6	399.6	366.8	367.1	388.6	406.1	410	410.7	409.5	409.7	413.4	416.8	424.2	455.95	483.95	469.75	458.65	440.3	428.7	418.8
<b>OPERATING RESERVE</b>		180.85	151.7	137.2	138.1	140.4	140.4	173.2	172.9	151.4	133.9	130	129.3	130.5	130.3	126.6	123.2	115.8	106.65	102.25	94.45	105.55	118.7	162.3	172.2
West Cost		36067.9	34012.1	32902.2	32809.5	31774.6	31767.8	29978.1	29986.6	31485.4	31378.4	31672.6	31828.4	31735.5	31655.3	31964.3	32340.4	32604.7	35371.8	38269.9	36579.8	35683.9	33546.2	33703.3	32755.7

WEST COAST GRID OPERATION



**Generation Mix Profile for 10th February 2013**

Gas	7,731 MWh
Hydro	1,495 MWh
Distillate	2,982 MWh
SREP	696 MWh



	DISTILLATE	GAS	HYDRO	BIOMASS
SESB	1,709.40 MWh	1,499.70 MWh	1,461.00 MWh	- MWh
IPP	1,272.60 MWh	6,231.45 MWh	34.00 MWh	- MWh
SREP	- MWh	- MWh	- MWh	696.40 MWh
<b>TOTAL</b>	<b>2,982.00 MWh</b>	<b>7,731.15 MWh</b>	<b>1,495.00 MWh</b>	<b>696.40 MWh</b>

	DISTILLATE	GAS	HYDRO	BIOMASS
SESB	13%	12%	11%	0%
IPP	10%	48%	0%	0%
SREP	0%	0%	0%	5%
<b>TOTAL</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>
<b>TOTALLY</b>	12,904.55			

DIST (IPP)	10%
DIST (SESB)	13%
SREP	5%
GAS (SESB)	12%
GAS (IPP)	48%
HYDRO (SESB)	11%
HYDRO (IPP)	0%
total	100%

