

## GRID SYSTEM OPERATION SUMMARY (SABAH)

	FORECAST	ACTUAL	VARIANCE
Maximum Demand (28th JAN' 2013)	800 MW	777 MW	-2.89%
Maximum Energy (28th JAN 2013)	16.5 MW	15.4 GWh	-6.67%
Maximum Demand (record high 28/06/11)	800 MW	830 MW	3.76%

Prepared by:

Electricity Market Operations

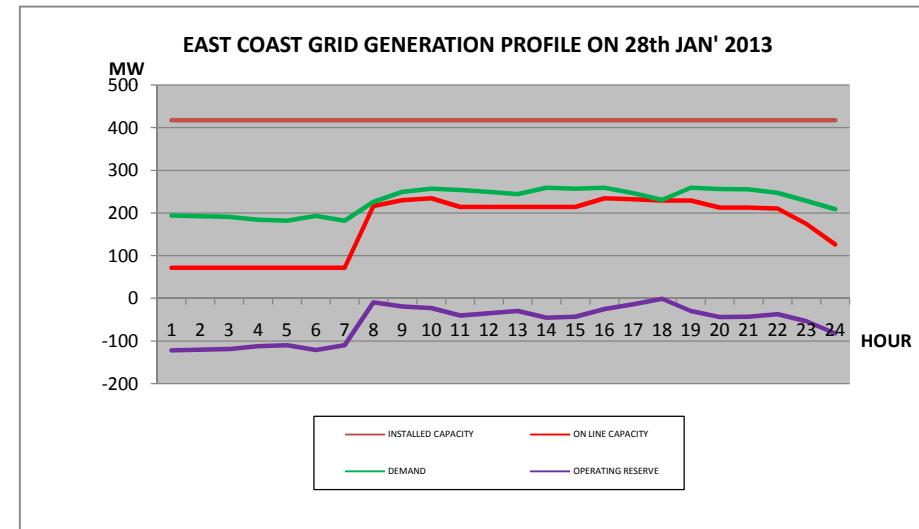
Electricity Supply & Market Regulations Dept.

Energy Commission Malaysia

22-Feb-13

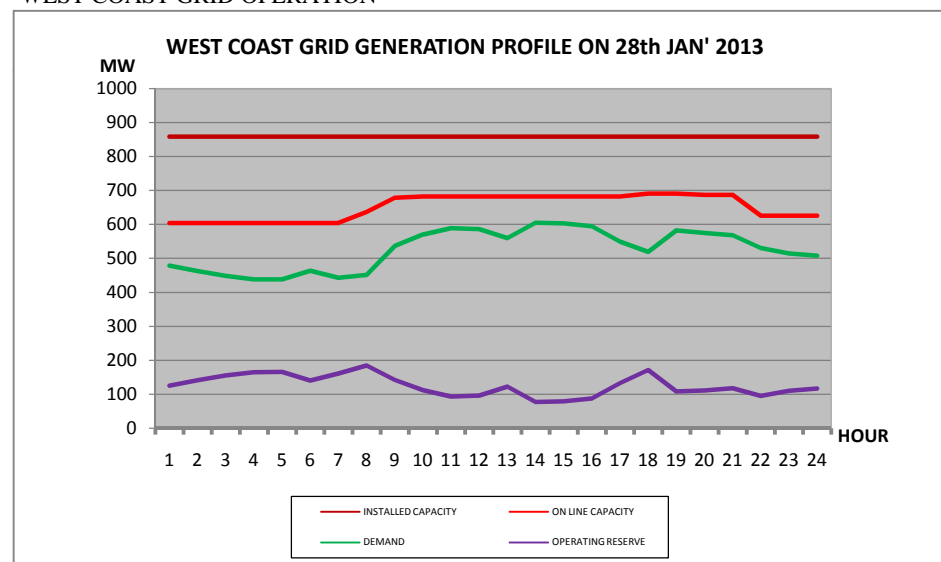
<b>EAST COAST GRID</b>																									
<b>INSTALLED CAPACITY</b>		417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	
<b>ON LINE CAPACITY</b>		72	72	72	72	72	72	72	217	230.5	234.7	214.7	214.7	214.7	214.7	214.7	234.7	232.7	229.7	229.7	212.7	212.7	210.5	175	127
<b>DEMAND</b>		193.54	191.9	190.53	184.09	181.77	192.91	181.68	226.12	249.36	257.46	254.42	249.57	244.31	259.55	257.31	259.48	246.54	230.67	259.25	256.57	255.74	247.34	228.69	208.83
<b>OPERATING RESERVE</b>		-121.54	-119.9	-118.53	-112.09	-109.77	-120.91	-109.68	-9.12	-18.86	-22.76	-39.72	-34.87	-29.61	-44.85	-42.61	-24.78	-13.84	-0.97	-29.55	-43.87	-43.04	-36.84	-53.69	-81.83
East Cost		9971.36	8539.66	9676.43	9221	9353.05	9356.23	9365.78	23364.5	26881.1	28267.8	27573.3	26163.6	27502.5	26289.4	26963	28492.8	27698	25730.1	28551.5	26793.1	26704.4	25410.1	20271.3	14577

EAST COAST GRID OPERATION



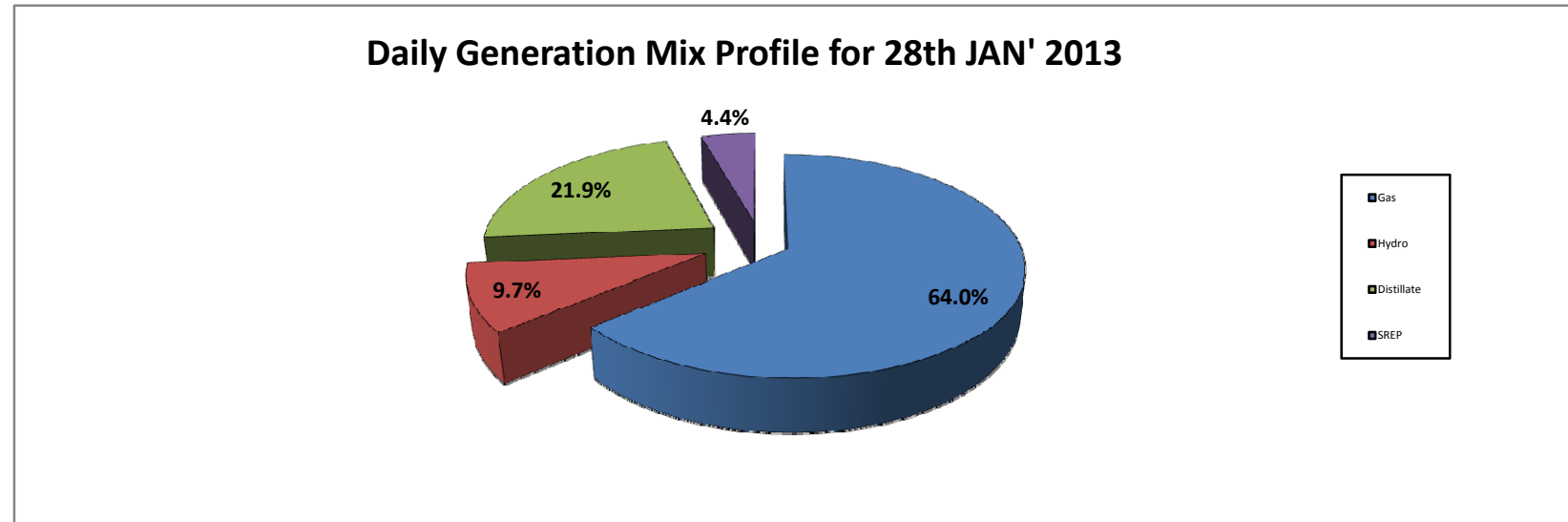
<b>WEST COAST GRID</b>																									
		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>
<b>INSTALLED CAPACITY</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	636.5	678.5	682.7	682.7	682.7	682.7	682.7	682.7	682.7	682.7	691.2	691.2	687	687	626	626	626
<b>DEMAND</b>		479.4	463	449	439	438.6	463.6	443.2	451.4	536.4	570.85	589.55	586.45	560.15	605.45	603.95	595.25	549.65	519.25	583.15	575.3	568.6	530.7	515.3	508.7
<b>OPERATING RESERVE</b>		125.1	141.5	155.5	165.5	165.9	140.9	161.3	185.1	142.1	111.85	93.15	96.25	122.55	77.25	78.75	87.45	133.05	171.95	108.05	111.7	118.4	95.3	110.7	117.3
West Cost		36814.2	35480.4	34598	33807	33813.1	35567.4	33675.9	36102.3	43605.5	47046.8	47745.1	47600	45783.4	48754.1	48663.9	48094.4	45536	43784.1	47442.7	46189.5	45694.7	40475.7	40434.6	39788.5

WEST COAST GRID OPERATION



**Generation Mix Profile for 28th January 2013**

Gas	10,133 MWh
Hydro	1,529 MWh
Distillate	3,472 MWh
SREP	695 MWh



	DISTILLATE	GAS	HYDRO	BIOMASS
SESB	1,768.25 MWh	2,305.10 MWh	1,424.00 MWh	- MWh
IPP	1,704.20 MWh	7,827.80 MWh	105.00 MWh	- MWh
SREP	- MWh	- MWh	- MWh	694.60 MWh
<b>TOTAL</b>	<b>3,472.45 MWh</b>	<b>10,132.90 MWh</b>	<b>1,529.00 MWh</b>	<b>694.60 MWh</b>

	DISTILLATE	GAS	HYDRO	BIOMASS
SESB	11%	15%	9%	0%
IPP	11%	49%	1%	0%
SREP	0%	0%	0%	4%
<b>TOTAL</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>
<b>TOTALLY</b>	15,828.95			

DIST (IPP)	11%
DIST (SESB)	11%
SREP	4%
GAS (SESB)	15%
GAS (IPP)	49%
HYDRO (SESB)	9%
HYDRO (IPP)	1%
total	100%

