

## GRID SYSTEM OPERATION SUMMARY (SABAH)

	FORECAST	ACTUAL	VARIANCE
Maximum Demand (15th JAN' 2013)	780 MW	751 MW	-3.74%
Maximum Energy (15th JAN 2013)	15.8 MW	14.8 GWh	-6.33%
Maximum Demand (record high 28/06/11)	800 MW	830 MW	3.76%

Prepared by:

Electricity Market Operations

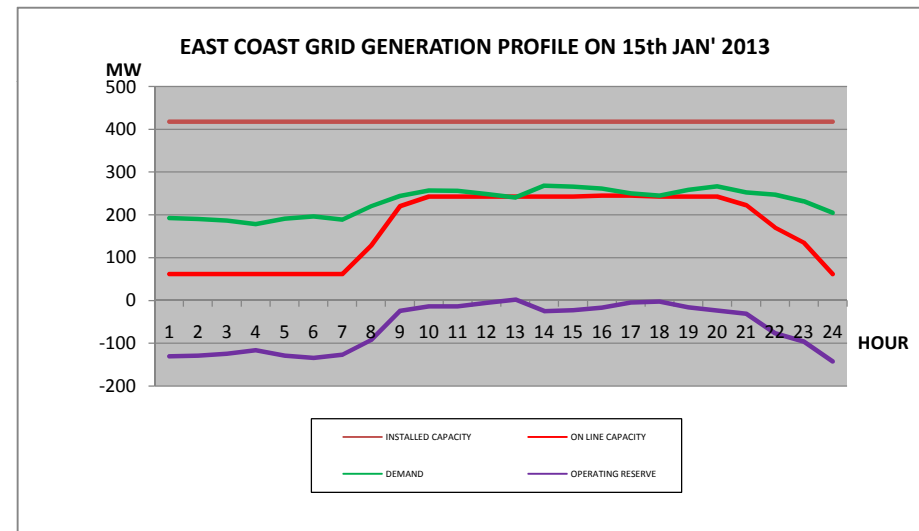
Electricity Supply & Market Regulations Dept.

Energy Commission Malaysia

17-Jan-13

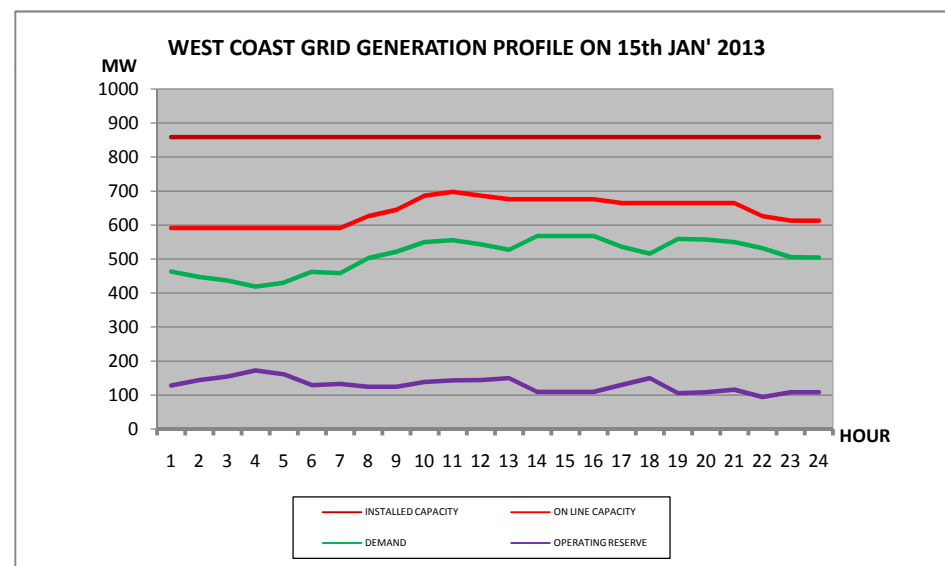
<b>EAST COAST GRID</b>																									
<b>INSTALLED CAPACITY</b>		417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	
<b>ON LINE CAPACITY</b>		62	62	62	62	62	62	62	128	220.2	242.7	242.7	242.7	242.7	242.7	242.7	244.7	244.7	242.7	242.7	242.7	222	170	135	62
<b>DEMAND</b>		193.05	190.91	186.48	178.64	191.43	196.23	189.4	220.37	244.37	256.53	256.16	248.46	240.76	267.96	265.54	261.29	249.82	244.97	258.4	266.51	252.69	246.8	231.57	204.78
<b>OPERATING RESERVE</b>		-131.05	-128.91	-124.48	-116.64	-129.43	-134.23	-127.4	-92.37	-24.17	-13.83	-13.46	-5.76	1.94	-25.26	-22.84	-16.59	-5.12	-2.27	-15.7	-23.81	-30.69	-76.8	-96.57	-142.78
East Cost		7854.64	8191.34	7721.5	7591.11	7983.55	7958.17	7919.22	11678.8	23450.5	26295.6	28012.6	27544.7	27242.2	28138.8	27931.6	28158.2	27282.4	25843	26846	27067.1	22692.1	18103.9	15036.1	7772.56

EAST COAST GRID OPERATION



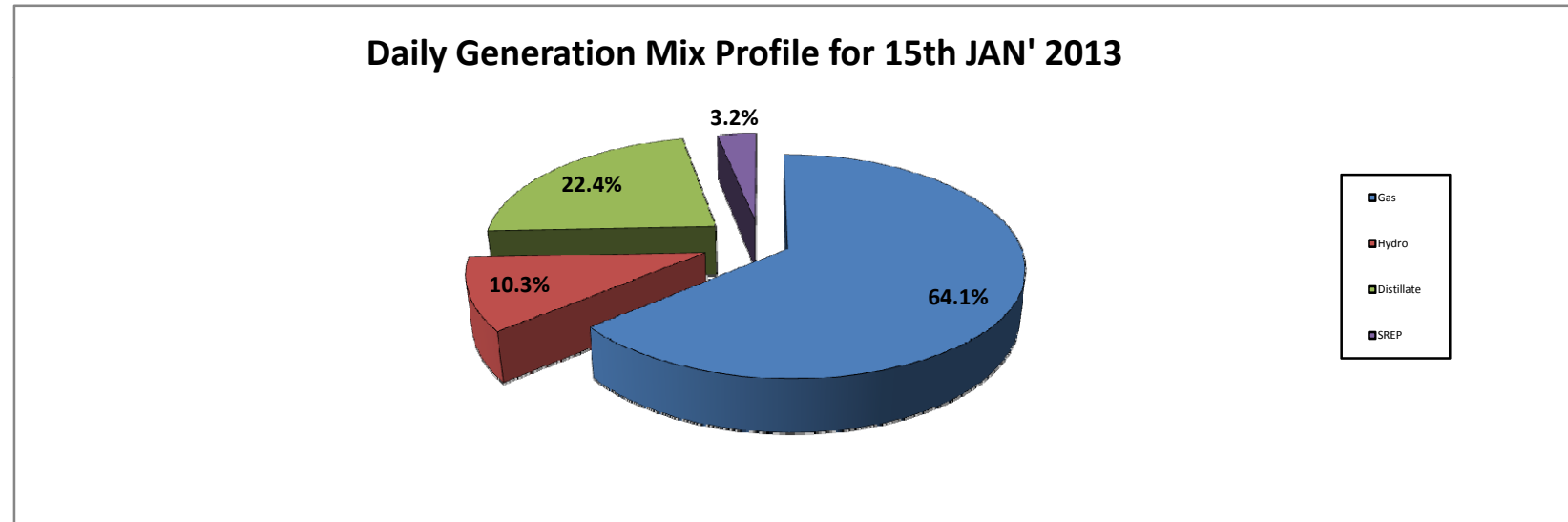
<b>WEST COAST GRID</b>																									
		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>
<b>INSTALLED CAPACITY</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>		591	591	591	591	591	591	591	626	645	687	698	687	676	676	676	676	665	665	665	665	665	626	613	613
<b>DEMAND</b>		463.2	447	437.1	418.9	430.5	462.3	458.7	502.1	521	549.2	555.3	542.9	526.6	567.1	567.2	567.4	535	515.9	559.4	556.6	549.7	532.1	505.2	504.7
<b>OPERATING RESERVE</b>		127.8	144	153.9	172.1	160.5	128.7	132.3	123.9	124	137.8	142.7	144.1	149.4	108.9	108.8	108.6	130	149.1	105.6	108.4	115.3	93.9	107.8	108.3
West Cost		36123.5	34961.2	33616.5	33203.8	33885.4	35990.6	35577.9	37754.7	40549.9	43991.4	44829.2	43541.1	42102.8	44792.7	44740.9	44856.4	42215.7	41264.9	43896.9	43555.7	43175.5	39884.7	37038.3	37039.5

WEST COAST GRID OPERATION



**Generation Mix Profile for 15th January 2013**

Gas	9,803 MWh
Hydro	1,580 MWh
Distillate	3,429 MWh
SREP	485 MWh



	DISTILLATE	GAS	HYDRO	BIOMASS
SESB	1,632.50 MWh	1,957.60 MWh	1,454.00 MWh	- MWh
IPP	1,796.20 MWh	7,844.90 MWh	125.50 MWh	- MWh
SREP	- MWh	- MWh	- MWh	485.00 MWh
<b>TOTAL</b>	<b>3,428.70 MWh</b>	<b>9,802.50 MWh</b>	<b>1,579.50 MWh</b>	<b>485.00 MWh</b>

	DISTILLATE	GAS	HYDRO	BIOMASS
SESB	11%	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>	15,295.70			

DIST (IPP)	12%
DIST (SESB)	11%
SREP	3%
GAS (SESB)	13%
GAS (IPP)	51%
HYDRO (SESB)	10%
HYDRO (IPP)	1%
total	100%

