

## GRID SYSTEM OPERATION SUMMARY (SABAH)

	FORECAST	ACTUAL	VARIANCE
Maximum Demand (17th JAN' 2013)	780 MW	769 MW	-1.47%
Maximum Energy (17th JAN 2013)	15.8 MW	15.2 GWh	-3.80%
Maximum Demand (record high 28/06/11)	800 MW	830 MW	3.76%

Prepared by:

Electricity Market Operations

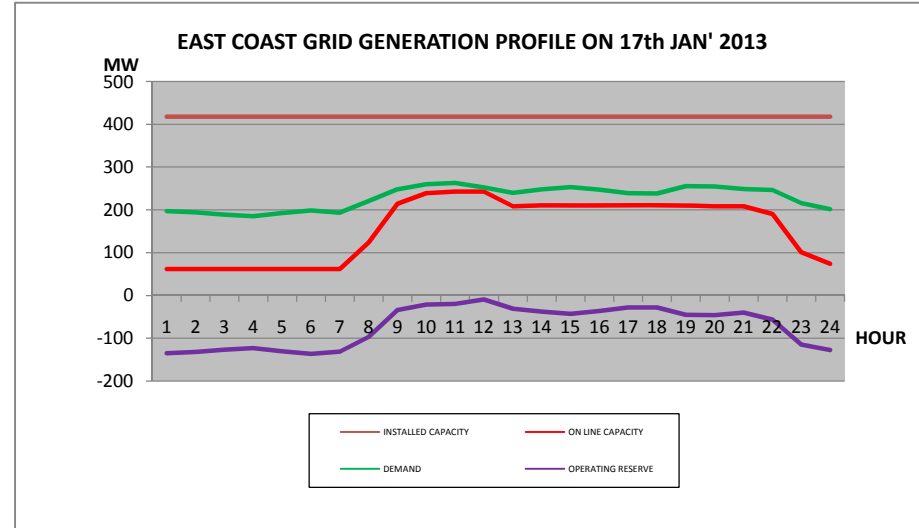
Electricity Supply & Market Regulations Dept.

Energy Commission Malaysia

22-Feb-13

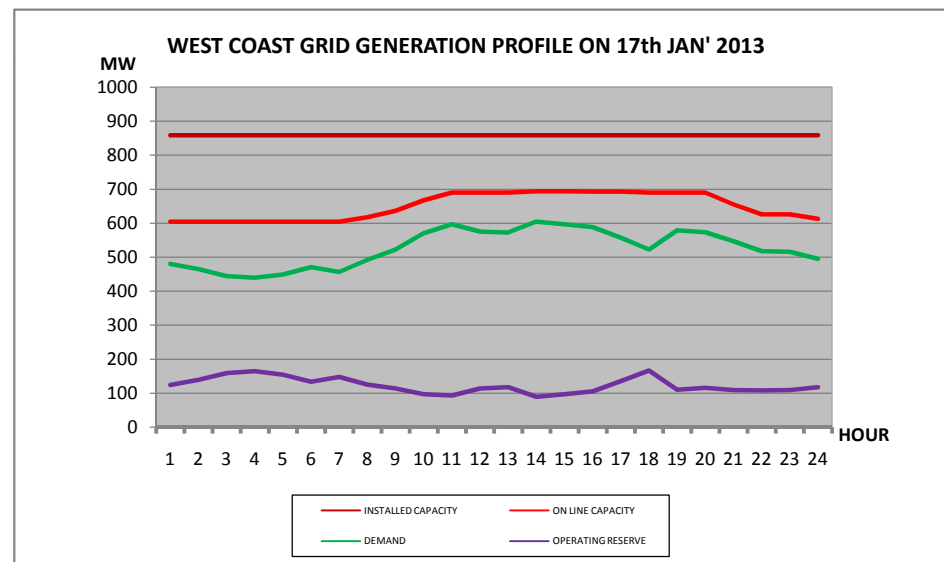
<b>EAST COAST GRID</b>																									
<b>INSTALLED CAPACITY</b>		417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	
<b>ON LINE CAPACITY</b>		62	62	62	62	62	62	62	124	214	238.7	242.7	242.7	208.7	210.7	210.7	210.7	210.7	210.7	208.7	208.7	190.2	101	74	
<b>DEMAND</b>		196.88	193.8	188.44	184.94	192.66	198.29	193.22	220.4	247.74	259.84	262.75	251.94	239.42	248.14	253.32	247.08	238.74	238.33	255.47	254.55	248.78	246.3	215.6	201.08
<b>OPERATING RESERVE</b>		-134.88	-131.8	-126.44	-122.94	-130.66	-136.29	-131.22	-96.4	-33.74	-21.14	-20.05	-9.24	-30.72	-37.44	-42.62	-36.38	-28.04	-27.63	-44.77	-45.85	-40.08	-56.1	-114.6	-127.08
East Cost		8351.33	8205.4	8462.14	7760.29	8511.04	8207.59	8147.8	13630.7	22599.1	25843	26174.3	26175.7	22462.2	23347.9	23471.1	23424.9	22695.4	24877.8	24505.7	22978.5	23708.1	19563.4	11865.2	9081.03

EAST COAST GRID OPERATION



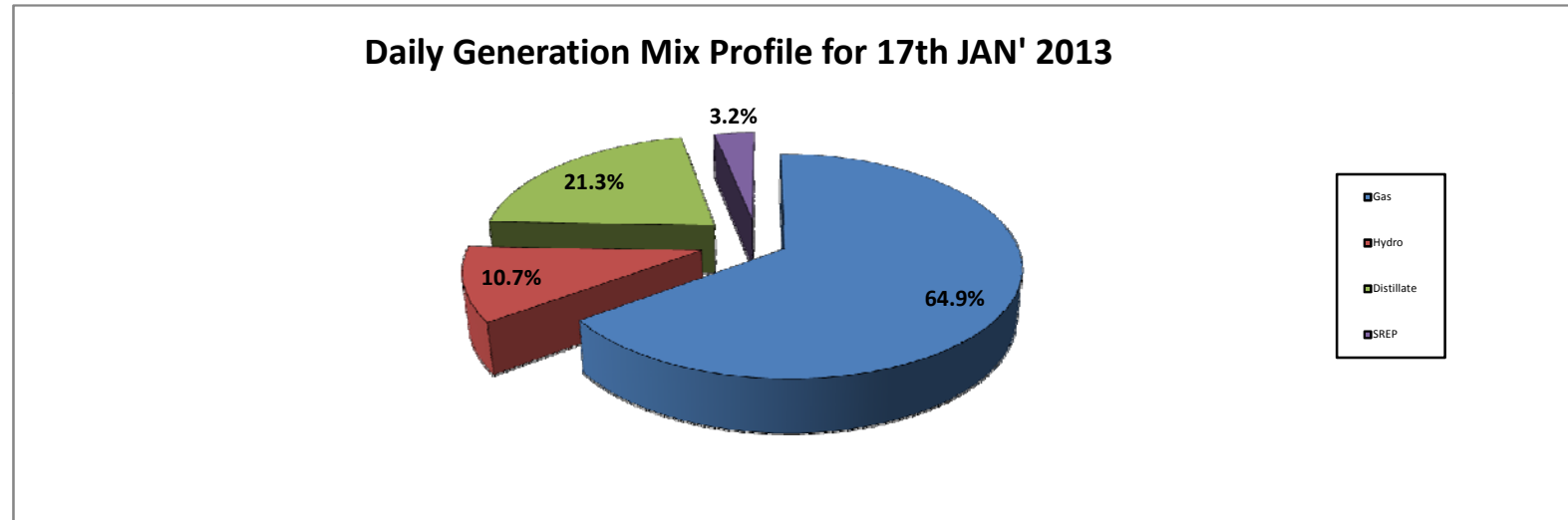
<b>WEST COAST GRID</b>																									
		<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>	<u>13</u>	<u>14</u>	<u>15</u>	<u>16</u>	<u>17</u>	<u>18</u>	<u>19</u>	<u>20</u>	<u>21</u>	<u>22</u>	<u>23</u>	<u>24</u>
<b>INSTALLED CAPACITY</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	636.5	667.5	689.5	689.5	690.1	693.7	693.7	693.1	693.1	689.5	689.5	689.5	655.5	626	626	613
<b>DEMAND</b>		480.5	464.7	444.8	439.7	449.5	470.6	456.2	492.5	522.3	570.7	596.3	575	572.25	604.05	596.25	587.7	557.2	522.7	578.7	573.1	546.5	517.5	516.2	494.9
<b>OPERATING RESERVE</b>		124	139.8	159.7	164.8	155	133.9	148.3	125	114.2	96.8	93.2	114.5	117.85	89.65	97.45	105.4	135.9	166.8	110.8	116.4	109	108.5	109.8	118.1
West Cost		34864.2	33735.7	33502.3	33472	34410.5	34908.2	34327.7	36760.5	39854.4	44112.4	46609.4	45269.1	45214.2	48370.4	47993.6	47302.9	44704.9	41694.6	45150.7	44512	45109.9	39041.3	39350.4	37071.6

WEST COAST GRID OPERATION



**Generation Mix Profile for 17th January 2013**

Gas	10,056 MWh
Hydro	1,656 MWh
Distillate	3,295 MWh
SREP	491 MWh



	DISTILLATE	GAS	HYDRO	BIOMASS
SESB	1,407.05 MWh	2,100.30 MWh	1,550.00 MWh	- MWh
IPP	1,887.90 MWh	7,956.00 MWh	106.40 MWh	- MWh
SREP	- MWh	- MWh	- MWh	490.50 MWh
<b>TOTAL</b>	<b>3,294.95 MWh</b>	<b>10,056.30 MWh</b>	<b>1,656.40 MWh</b>	<b>490.50 MWh</b>

	DISTILLATE	GAS	HYDRO	BIOMASS
SESB	9%	14%	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>

**TOTALLY** 15,498.15

DIST (IPP)	12%
DIST (SESB)	9%
SREP	3%
GAS (SESB)	14%
GAS (IPP)	51%
HYDRO (SESB)	10%
HYDRO (IPP)	1%
total	100%

