

## GRID SYSTEM OPERATION SUMMARY (SABAH)

	FORECAST	ACTUAL	VARIANCE
Maximum Demand (5th FEB' 2013)	800 MW	781 MW	-2.33%
Maximum Energy (5th FEB' 2013)	16.7 MW	15.6 GWh	-6.59%
Maximum Demand (record high 28/06/11)	800 MW	830 MW	3.76%

Prepared by:

Electricity Market Operations

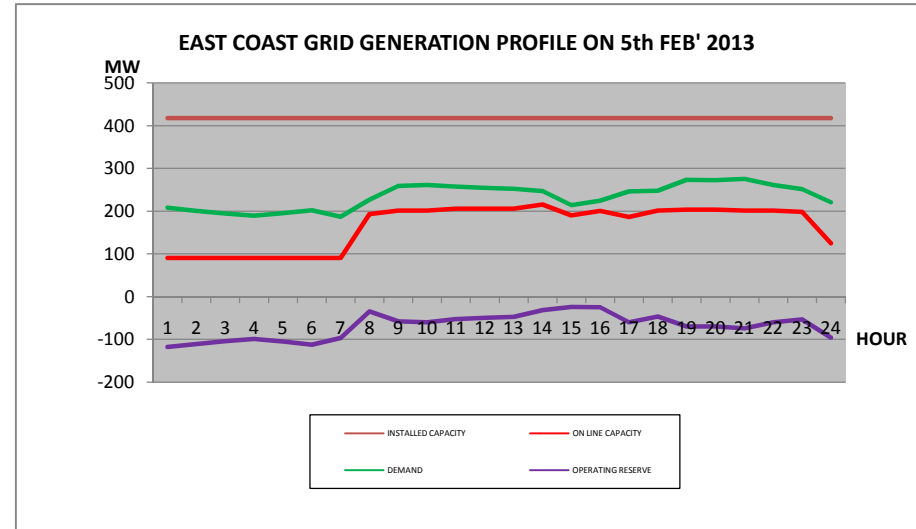
Electricity Supply & Market Regulations Dept.

Energy Commission Malaysia

27-Feb-13

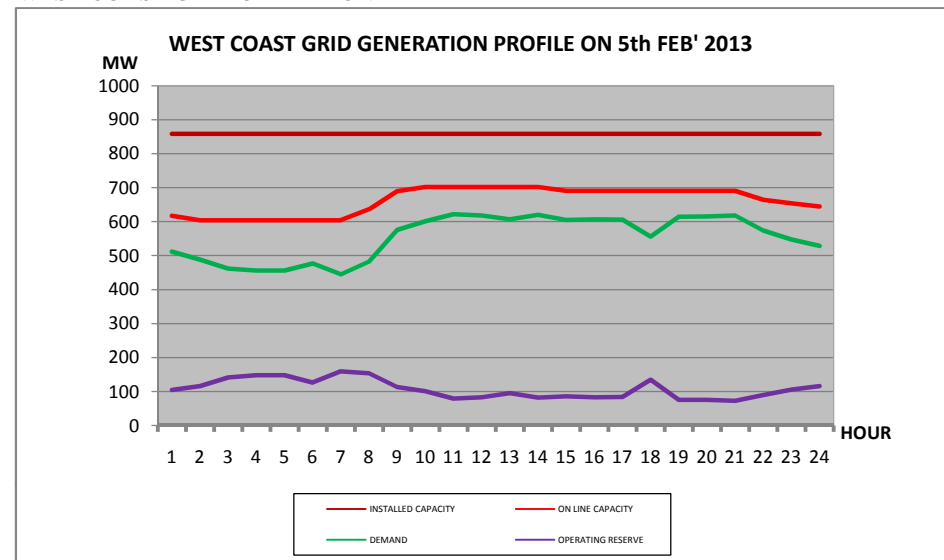
<b>EAST COAST GRID</b>																									
<b>INSTALLED CAPACITY</b>		417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	
<b>ON LINE CAPACITY</b>		91	91	91	91	91	91	91	193	201.5	201.5	205.5	205.5	205.5	215.5	190.5	200.5	186.5	201.5	203.5	203.5	201.5	201.5	198.5	125.5
<b>DEMAND</b>		208.29	201.34	194.75	189.71	195.54	202.82	187.65	227.42	258.93	261.38	257.94	254.84	252.76	247.04	214.22	224.65	246.31	247.8	273.16	272.93	275.59	261.24	251.58	220.85
<b>OPERATING RESERVE</b>		-117.29	-110.34	-103.75	-98.71	-104.54	-111.82	-96.65	-34.42	-57.43	-59.88	-52.44	-49.34	-47.26	-31.54	-23.72	-24.15	-59.81	-46.3	-69.66	-69.43	-74.09	-59.74	-53.08	-95.35
East Cost		10732	10653.1	10942.8	10713.8	10758.4	10878.7	11042.6	20212	22971	23896.2	23918.2	23359.6	23385.4	24713.8	20753.6	23054.1	20996.8	22118.4	24663	24122.1	23273.5	22781.2	22544.1	13112.1

EAST COAST GRID OPERATION



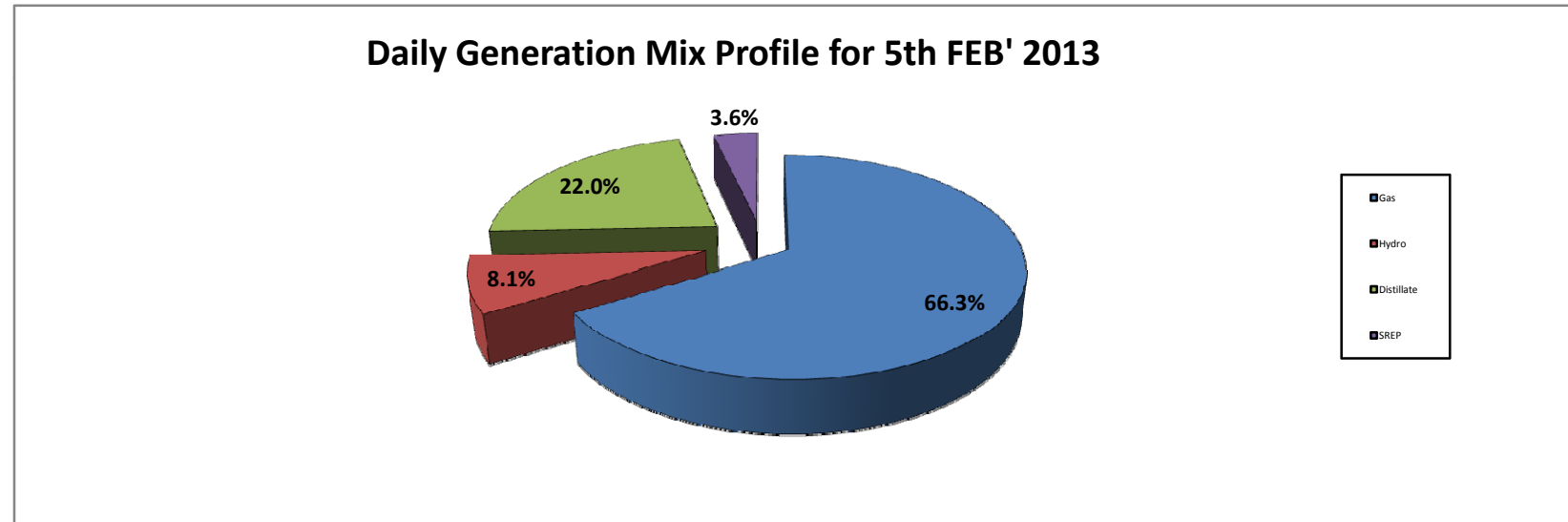
<b>WEST COAST GRID</b>																										
		<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>	<u>13</u>	<u>14</u>	<u>15</u>	<u>16</u>	<u>17</u>	<u>18</u>	<u>19</u>	<u>20</u>	<u>21</u>	<u>22</u>	<u>23</u>	<u>24</u>	
<b>INSTALLED CAPACITY</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>		617.5	604.5	604.5	604.5	604.5	604.5	604.5	636.5	689.6	702.2	702.2	702.2	702.2	702.2	691.2	691.2	691.2	691.2	691.2	691.2	691.2	691.2	665	654	645
<b>DEMAND</b>		512.4	488.4	462.5	456.2	456.5	477.5	445.1	482.9	576.3	601.35	622.35	618.95	606.95	620.05	605.15	607.55	606.55	556.45	615.25	615.75	618.15	574.6	547.9	529.1	
<b>OPERATING RESERVE</b>		105.1	116.1	142	148.3	148	127	159.4	153.6	113.3	100.85	79.85	83.25	95.25	82.15	86.05	83.65	84.65	134.75	75.95	75.45	73.05	90.4	106.1	115.9	
West Cost		39948.1	37259.2	35767.2	35589.1	35666.2	37239.2	35051.7	39610.3	48416.4	50369.6	51621.8	51276.9	50125.8	51547.3	49872.6	50007.2	49872.6	46648.7	50882.7	50913.9	51111.5	47528.6	45897.8	42460.4	

WEST COAST GRID OPERATION



**Generation Mix Profile for 5th February 2013**

Gas	10,779 MWh
Hydro	1,315 MWh
Distillate	3,583 MWh
SREP	582 MWh



	DISTILLATE	GAS	HYDRO	BIOMASS
SESB	1,691.25 MWh	2,396.70 MWh	1,222.00 MWh	- MWh
IPP	1,891.70 MWh	8,382.20 MWh	92.70 MWh	- MWh
SREP	- MWh	- MWh	- MWh	582.10 MWh
<b>TOTAL</b>	<b>3,582.95 MWh</b>	<b>10,778.90 MWh</b>	<b>1,314.70 MWh</b>	<b>582.10 MWh</b>

	DISTILLATE	GAS	HYDRO	BIOMASS
SESB	10%	15%	8%	0%
IPP	12%	52%	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>	16,258.65			

DIST (IPP)	12%
DIST (SESB)	10%
SREP	4%
GAS (SESB)	15%
GAS (IPP)	52%
HYDRO (SESB)	8%
HYDRO (IPP)	1%
total	100%

