

**GRID SYSTEM OPERATION SUMMARY (SABAH)**

	<b>FORECAST</b>	<b>ACTUAL</b>	<b>VARIANCE</b>
<b>Maximum Demand (1st NOV' 2012)</b>	815 MW	795 MW	-2.40%
<b>Maximum Energy (1st NOV' 2012)</b>	16.4 MW	15.6 GWh	-4.88%
<b>Maximum Demand (record high 28/06/11)</b>	800 MW	830 MW	3.76%

Prepared by:

Electricity Market Operations

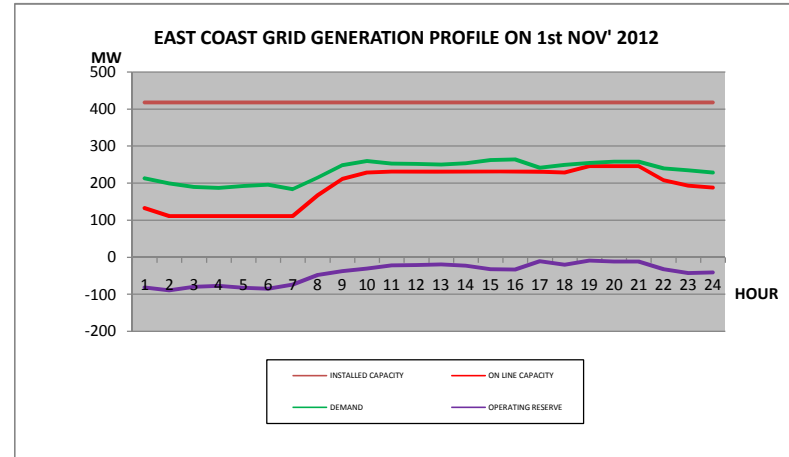
Electricity Supply & Market Regulations Dept.

Energy Commission Malaysia

09-Nov-12

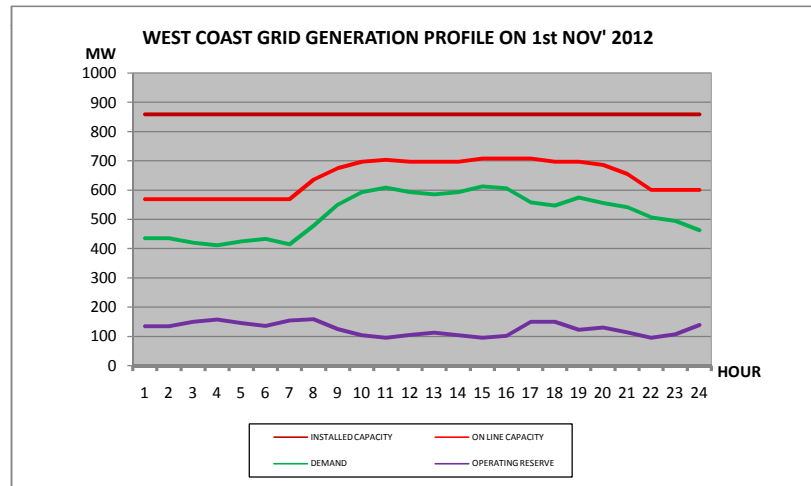
<b>EAST COAST GRID</b>																									
<b>INSTALLED CAPACITY</b>		417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	
<b>ON LINE CAPACITY</b>		133	111	111	111	111	111	111	167	211.3	229.1	231.1	231.1	231.1	231.1	231.1	231.1	231.1	229.1	246.1	246.1	246.1	208	193	188
<b>DEMAND</b>		213.87	200	190.35	188	192.76	195.83	184.16	215.03	248.98	259.83	252.85	251.98	250.51	254.01	263.01	264.46	242.21	249.35	255.25	258.01	258.21	240.31	235.38	228.78
<b>OPERATING RESERVE</b>		-80.87	-89	-79.35	-77	-81.76	-84.83	-73.16	-48.03	-37.68	-30.73	-21.75	-20.88	-19.41	-22.91	-31.91	-33.36	-11.11	-20.25	-9.15	-11.91	-12.11	-32.31	-42.38	-40.78
East Cost		16412	13377.7	12328.7	12455.6	12423.1	12444.4	12544.5	18553.6	23695.7	25242.7	25145.3	25408.8	24806.1	26340.9	26279.5	25434.8	24896.4	26127.7	27676.2	27706.1	27739.1	24316.1	21802.6	22621.2

EAST COAST GRID OPERATION



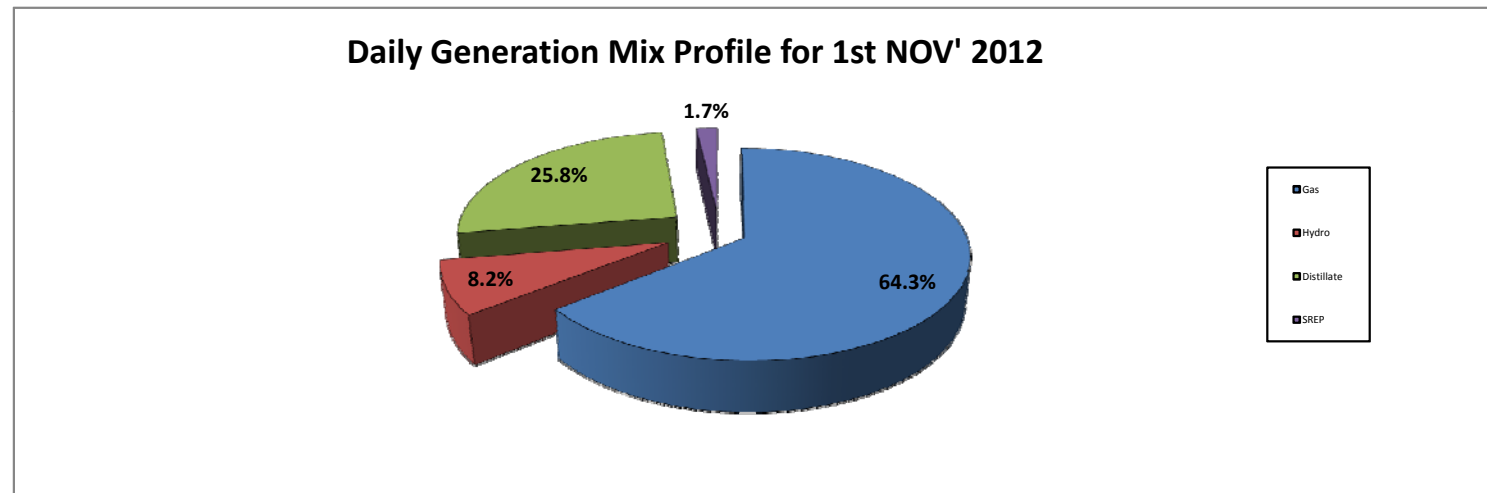
<b>WEST COAST GRID</b>																									
		<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>	<u>13</u>	<u>14</u>	<u>15</u>	<u>16</u>	<u>17</u>	<u>18</u>	<u>19</u>	<u>20</u>	<u>21</u>	<u>22</u>	<u>23</u>	<u>24</u>
<b>INSTALLED CAPACITY</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>		569	569	569	569	569	569	569	636	675	697	703.5	697	697	708	708	708	697	697	686	655	601	601	601	601
<b>DEMAND</b>		434.7	434.7	419.4	411	423.7	433.1	414.4	477.4	550	593.4	608	592.6	584.9	593.1	612.7	606.5	557.7	546.7	574.3	555.5	541.4	506	493.8	462.5
<b>OPERATING RESERVE</b>		134.3	134.3	149.6	158	145.3	135.9	154.6	158.6	125	103.6	95.5	104.4	112.1	103.9	95.3	101.5	150.3	150.3	122.7	130.5	113.6	95	107.2	138.5
West Cost		35421.8	35414.4	34082.8	33429.8	34540.7	34573.5	33309.8	37899.9	43993.3	47883.9	49857.4	49567.6	48743	49294	50174.8	49762.2	45395.1	45790.8	46998.4	45404.4	42943.8	40729.6	39696.7	37551.7

WEST COAST GRID OPERATION



**Generation Mix Profile for 1st November 2012**

Gas	10,295 MWh
Hydro	1,305 MWh
Distillate	4,136 MWh
SREP	278 MWh



	DISTILLATE	GAS	HYDRO	BIOMASS
SESB	2,000.00 MWh	1,751.80 MWh	1,244.00 MWh	- MWh
IPP	2,135.80 MWh	8,542.80 MWh	61.20 MWh	- MWh
SREP	- MWh	- MWh	- MWh	278.30 MWh
<b>TOTAL</b>	<b>4,135.80 MWh</b>	<b>10,294.60 MWh</b>	<b>1,305.20 MWh</b>	<b>278.30 MWh</b>

	DISTILLATE	GAS	HYDRO	BIOMASS
SESB	12%	11%	8%	0%
IPP	13%	53%	0%	0%
SREP	0%	0%	0%	2%
<b>TOTAL</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>
<b>TOTALLY</b>	16,013.90			

DIST (IPP)	13%
DIST (SESB)	12%
SREP	2%
GAS (SESB)	11%
GAS (IPP)	53%
HYDRO (SESB)	8%
HYDRO (IPP)	0%
total	100%

