

**GRID SYSTEM OPERATION SUMMARY (SABAH)**

	<b>FORECAST</b>	<b>ACTUAL</b>	<b>VARIANCE</b>
<b>Maximum Demand (18th NOV' 2012)</b>	700 MW	702 MW	0.24%
<b>Maximum Energy (18th NOV' 2012)</b>	13.9 MW	13.4 GWh	-3.60%
<b>Maximum Demand (record high 28/06/11)</b>	800 MW	830 MW	3.76%

Prepared by:

Electricity Market Operations

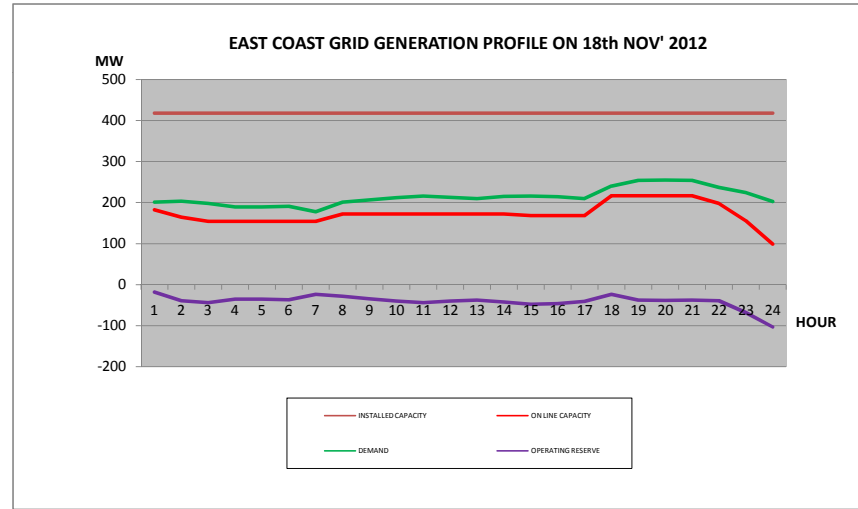
Electricity Supply & Market Regulations Dept.

Energy Commission Malaysia

20-Nov-12

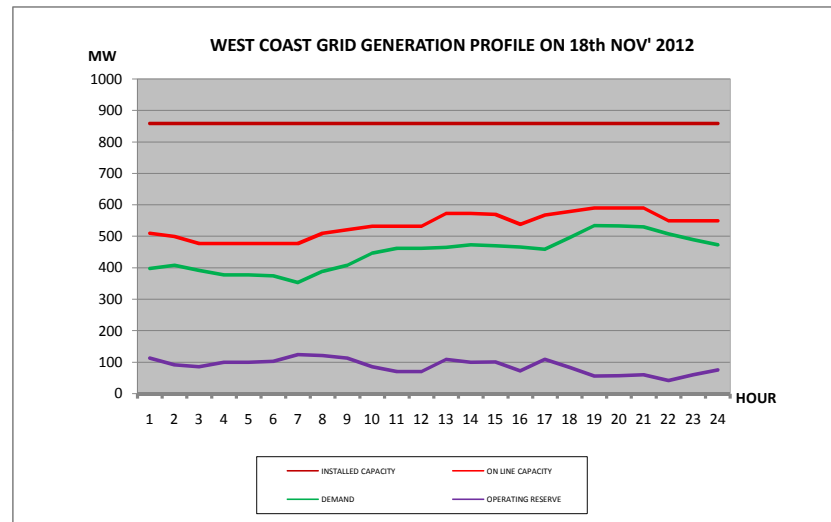
<b>EAST COAST GRID</b>																									
<b>INSTALLED CAPACITY</b>		417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9		
<b>ON LINE CAPACITY</b>		182.5	164	154	154	154	154	172.5	172.5	172.5	172.5	172.5	172.5	172.5	168.5	168.5	168.5	216.5	216.5	216.5	216.5	198	156	99	
<b>DEMAND</b>		200.66	203.16	197.76	189.22	189.5	191.09	177.45	201.14	206.83	212.38	216.25	212.81	210	214.98	216.19	214.6	209.58	240.1	254.5	255.16	254.49	237.01	224.47	202.31
<b>OPERATING RESERVE</b>		-18.16	-39.16	-43.76	-35.22	-35.5	-37.09	-23.45	-28.64	-34.33	-39.88	-43.75	-40.31	-37.5	-42.48	-47.69	-46.1	-41.08	-23.6	-38	-38.66	-37.99	-39.01	-68.47	-103.31
East Cost		22142.9	18177.8	17235.3	17324.5	17301	17262.3	17231.7	20512.6	20755	20477.5	20985.5	20840.2	20590.6	20177.9	20706.8	20782.3	20572.2	25895.2	26949.9	26585	25911	21996.5	18164.9	12311

EAST COAST GRID OPERATION



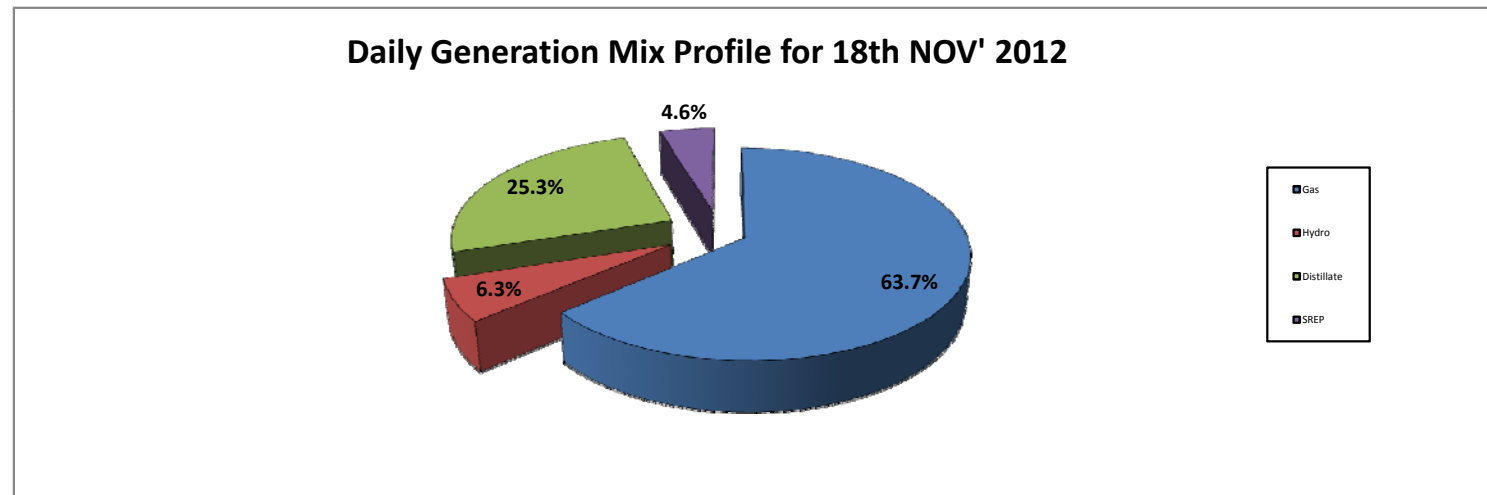
<b>WEST COAST GRID</b>																									
		<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>	<u>13</u>	<u>14</u>	<u>15</u>	<u>16</u>	<u>17</u>	<u>18</u>	<u>19</u>	<u>20</u>	<u>21</u>	<u>22</u>	<u>23</u>	<u>24</u>
<b>INSTALLED CAPACITY</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>		510	499	477	477	477	477	477	510	521	532	532	532	573	573	570	538	568	579	590	590	590	549	549	549
<b>DEMAND</b>		397	407.6	391.2	376.7	376.6	373.9	352.5	388.1	407.5	445.9	461.8	461.5	464.3	472.9	469.2	465.2	458.6	495.2	533.8	532.9	530.1	507.2	488.5	473
<b>OPERATING RESERVE</b>		113	91.4	85.8	100.3	100.4	103.1	124.5	121.9	113.5	86.1	70.2	70.5	108.7	100.1	100.8	72.8	109.4	83.8	56.2	57.1	59.9	41.8	60.5	76
West Cost		34015	34269.4	32374.2	31310.5	31296.5	30988.9	29217.6	32651.5	34170.2	35822	36865.2	36863.1	38401.5	39850.9	38170.3	36887.2	37325.9	40022.8	43177.5	43170.4	42741.8	39483.6	37993.5	36813.2

WEST COAST GRID OPERATION



**Generation Mix Profile for 18th November 2012**

Gas	8,865 MWh
Hydro	879 MWh
Distillate	3,522 MWh
SREP	643 MWh



	DISTILLATE	GAS	HYDRO	BIOMASS
SESB	1,777.00 MWh	581.00 MWh	756.00 MWh	- MWh
IPP	1,744.60 MWh	8,283.80 MWh	123.30 MWh	- MWh
SREP	- MWh	- MWh	- MWh	642.60 MWh
<b>TOTAL</b>	<b>3,521.60 MWh</b>	<b>8,864.80 MWh</b>	<b>879.30 MWh</b>	<b>642.60 MWh</b>

	DISTILLATE	GAS	HYDRO	BIOMASS
SESB	13%	4%	5%	0%
IPP	13%	60%	1%	0%
SREP	0%	0%	0%	5%
<b>TOTAL</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>
<b>TOTALLY</b>	13,908.30			

DIST (IPP)	13%
DIST (SESB)	13%
SREP	5%
GAS (SESB)	4%
GAS (IPP)	60%
HYDRO (SESB)	5%
HYDRO (IPP)	1%
total	100%

