

## GRID SYSTEM OPERATION SUMMARY (SABAH)

	FORECAST	ACTUAL	VARIANCE
Maximum Demand (12th NOV' 2012)	800 MW	772 MW	-3.54%
Maximum Energy (12th NOV' 2012)	15.9 MW	15.0 GWh	-5.66%
Maximum Demand (record high 28/06/11)	800 MW	830 MW	3.76%

Prepared by:

Electricity Market Operations

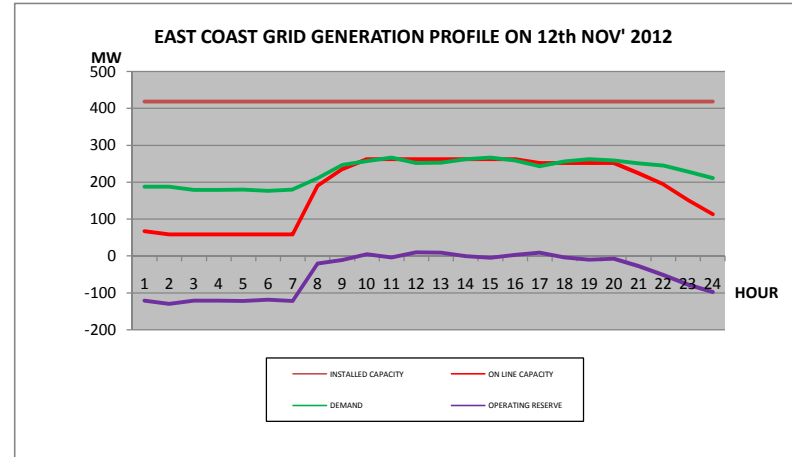
Electricity Supply & Market Regulations Dept.

Energy Commission Malaysia

20-Nov-12

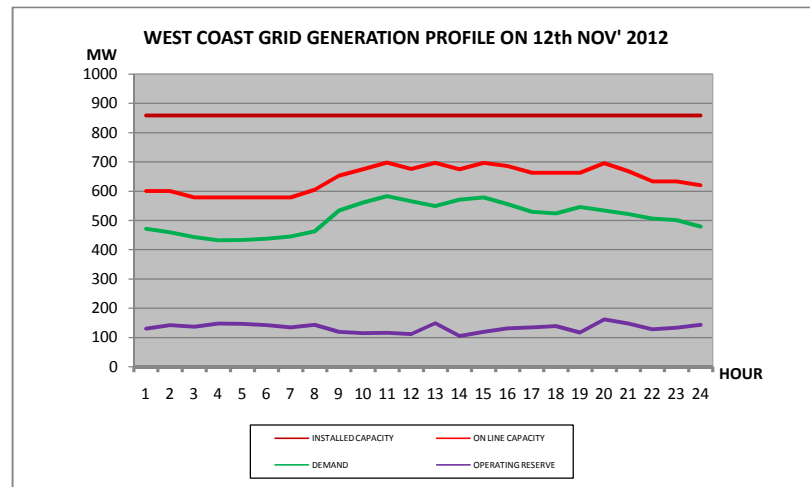
EAST COAST GRID																									
<b>INSTALLED CAPACITY</b>		417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	
<b>ON LINE CAPACITY</b>		67	58	58	58	58	58	58	190	235.3	262.3	262.3	262.3	262.3	262.3	262.3	262.3	252.3	252.3	252.3	252.3	224	194	151	113
<b>DEMAND</b>		187.51	187.41	178.64	178.89	180.03	176.24	179.98	210.17	246.38	257.15	266.35	252.19	252.88	262.63	266.61	258.92	242.77	256.05	262.54	259.14	250.92	245.1	228.36	210.61
<b>OPERATING RESERVE</b>		-120.51	-129.41	-120.64	-120.89	-122.03	-118.24	-121.98	-20.17	-11.08	5.15	-4.05	10.11	9.42	-0.33	-4.31	3.38	9.53	-3.75	-10.24	-6.84	-26.92	-51.1	-77.36	-97.61
East Cost		9540.34	8607.94	8343.6	8707.77	8697.38	8541.5	8597.78	20793.3	25832.5	27865.4	28764.5	29397.8	29332.8	29208	28849.7	29314.5	27090	28298.5	29458.6	29030.6	26182.8	23958	17379.7	13960.4

EAST COAST GRID OPERATION



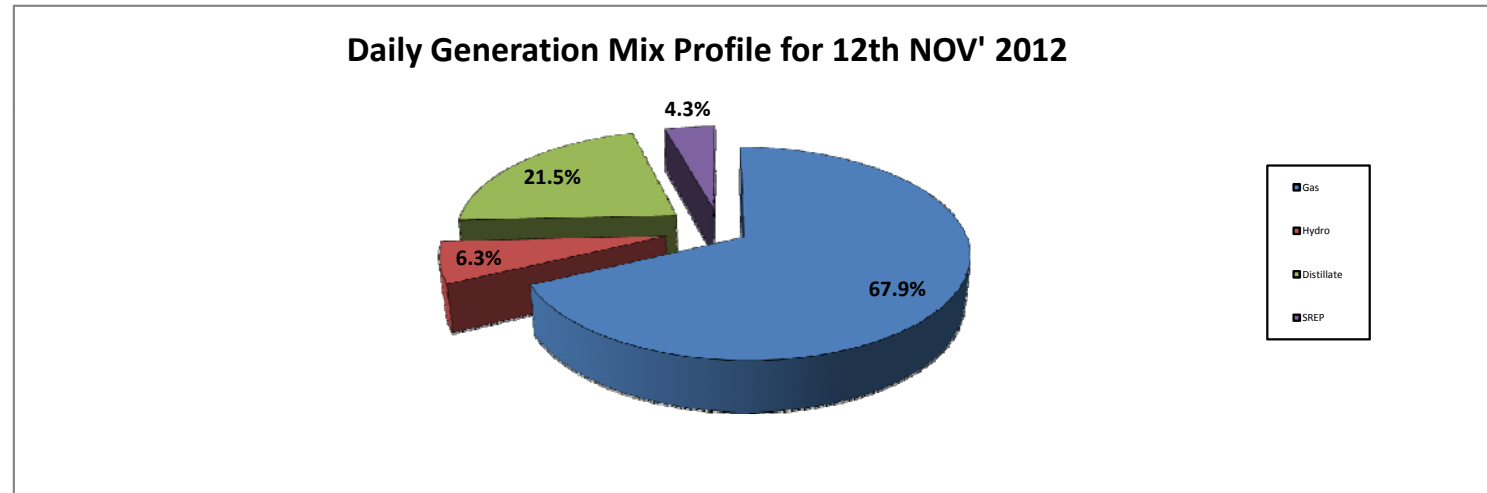
WEST COAST GRID																									
		<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>	<u>13</u>	<u>14</u>	<u>15</u>	<u>16</u>	<u>17</u>	<u>18</u>	<u>19</u>	<u>20</u>	<u>21</u>	<u>22</u>	<u>23</u>	<u>24</u>
<b>INSTALLED CAPACITY</b>		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>		601	601	579	579	579	579	579	605.5	653	675	698.1	676.1	697	675	697	686	663	663	663	696	669	634	634	621
<b>DEMAND</b>		471.3	458.7	442.9	431.8	432.7	437.3	445.2	462.1	534.1	560.9	582.8	565.3	548.6	570.7	578.1	555.2	529.1	523.9	546.1	534.1	521.3	506.4	500.8	478.4
<b>OPERATING RESERVE</b>		129.7	142.3	136.1	147.2	146.3	141.7	133.8	143.4	118.9	114.1	115.3	110.8	148.4	104.3	118.9	130.8	133.9	139.1	116.9	161.9	147.7	127.6	133.2	142.6
West Cost		37912.9	36869.4	36938.1	35974.3	36042.3	36420.1	37151.1	37502.9	44742.5	47519.6	48175.6	48100.5	45531.7	48414.5	47508.2	45632	43087.6	42851	44131	43310.2	42206.5	41783.6	41181.6	38748.3

WEST COAST GRID OPERATION



**Generation Mix Profile for 12th November 2012**

Gas	10,550 MWh
Hydro	979 MWh
Distillate	3,341 MWh
SREP	663 MWh



	DISTILLATE	GAS	HYDRO	BIOMASS
SESB	1,545.30 MWh	1,532.30 MWh	912.00 MWh	- MWh
IPP	1,795.40 MWh	9,017.30 MWh	67.40 MWh	- MWh
SREP	- MWh	- MWh	- MWh	662.60 MWh
<b>TOTAL</b>	<b>3,340.70 MWh</b>	<b>10,549.60 MWh</b>	<b>979.40 MWh</b>	<b>662.60 MWh</b>

	DISTILLATE	GAS	HYDRO	BIOMASS
SESB	10%	10%	6%	0%
IPP	12%	58%	0%	0%
SREP	0%	0%	0%	4%
<b>TOTAL</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>
<b>TOTALLY</b>	<b>15,532.30</b>			

DIST (IPP)	12%
DIST (SESB)	10%
SREP	4%
GAS (SESB)	10%
GAS (IPP)	58%
HYDRO (SESB)	6%
HYDRO (IPP)	0%
total	100%

