

**GRID SYSTEM OPERATION SUMMARY (SABAH)**

	<b>FORECAST</b>	<b>ACTUAL</b>	<b>VARIANCE</b>
<b>Maximum Demand (19th NOV' 2012)</b>	800 MW	796 MW	-0.47%
<b>Maximum Energy (19th NOV' 2012)</b>	15.9 MW	15.5 GWh	-2.52%
<b>Maximum Demand (record high 28/06/11)</b>	800 MW	830 MW	3.76%

Prepared by:

Electricity Market Operations

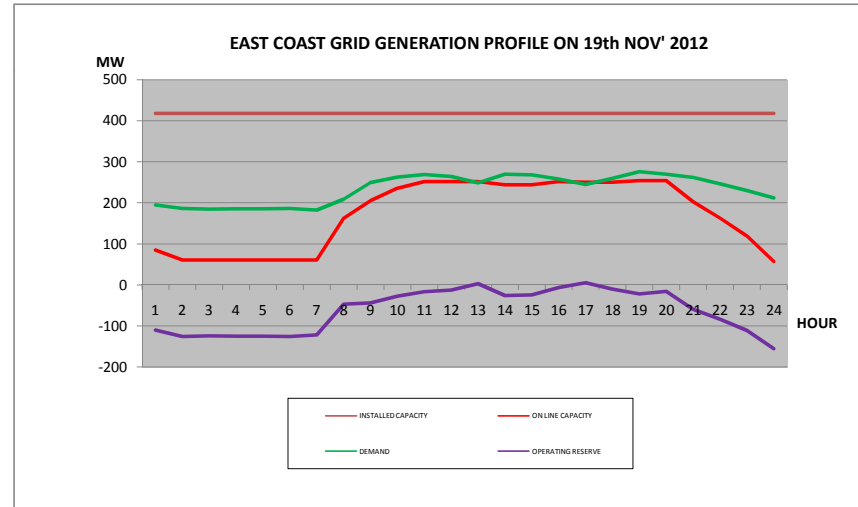
Electricity Supply & Market Regulations Dept.

Energy Commission Malaysia

20-Nov-12

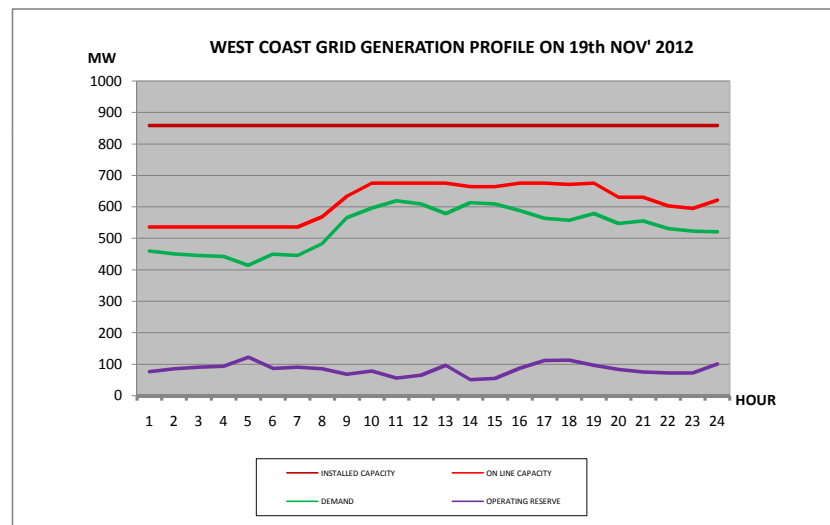
<b>EAST COAST GRID</b>																							
<b>INSTALLED CAPACITY</b>		417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9
<b>ON LINE CAPACITY</b>		85	61	61	61	61	61	61	162	205.5	235.3	252.3	252.3	252.3	244.3	244.3	252.3	250.3	250.3	254.3	254.3	203	163
<b>DEMAND</b>		195.17	186.51	184.87	185.46	185.65	186.62	182.34	208.66	249.34	262.69	268.82	264.61	248.81	270.11	268.31	258.54	244.74	260.07	276.19	270.18	261.96	246.42
<b>OPERATING RESERVE</b>		-110.17	-125.51	-123.87	-124.46	-124.65	-125.62	-121.34	-46.66	-43.84	-27.39	-16.52	-12.31	3.49	-25.81	-24.01	-6.24	5.56	-9.77	-21.89	-15.88	-58.96	-83.42
East Cost		10175	7826.34	7708.18	7698.13	7525.22	7531.75	7562.23	16905.6	22178.7	25936.3	26553.9	26400	26975.3	26441.3	27482.8	28036.2	26733.6	27162.3	29033.9	29120.1	23438.5	19355.7

EAST COAST GRID OPERATION



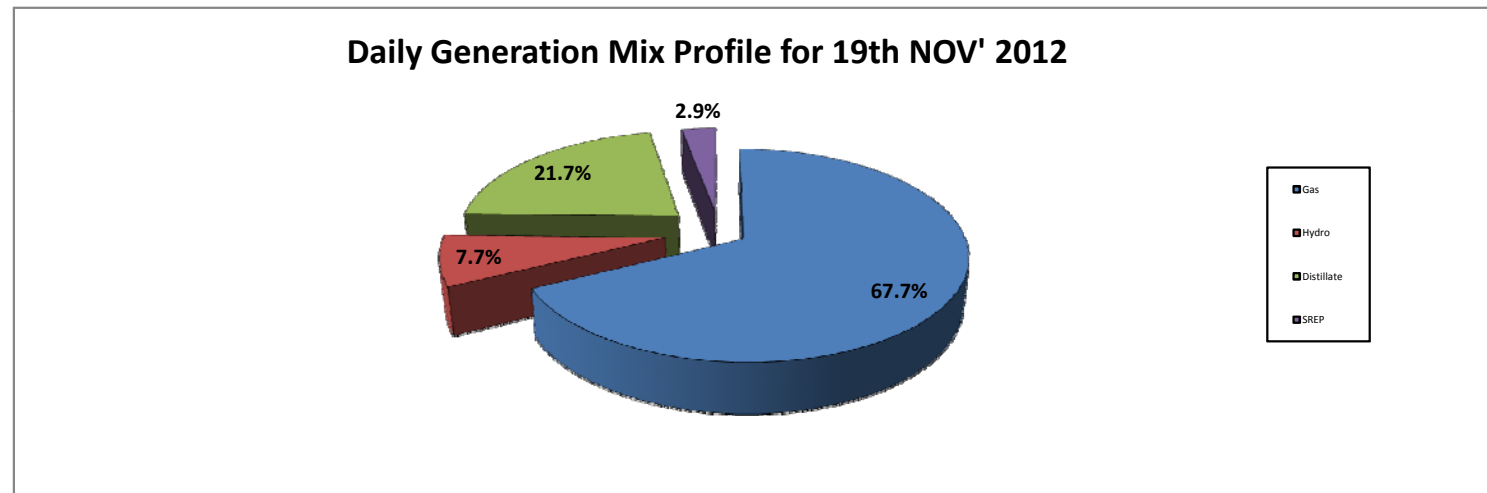
<b>WEST COAST GRID</b>																									
		<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>	<u>13</u>	<u>14</u>	<u>15</u>	<u>16</u>	<u>17</u>	<u>18</u>	<u>19</u>	<u>20</u>	<u>21</u>	<u>22</u>	<u>23</u>	<u>24</u>
<b>INSTALLED CAPACITY</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	
<b>ON LINE CAPACITY</b>		536	536	536	536	536	536	536	568	633.5	675	675	675	675	664	664	675	675	670.5	675	630	630	603	594.5	621
<b>DEMAND</b>		459.6	450.4	445	441.8	413.6	449.3	444.9	482.4	564.9	596.3	619.4	609.6	578.5	613.1	609.5	587.5	562.9	557.4	578.6	546.8	554.9	531.1	522.3	520.3
<b>OPERATING RESERVE</b>		76.4	85.6	91	94.2	122.4	86.7	91.1	85.6	68.6	78.7	55.6	65.4	96.5	50.9	85.6	54.5	87.5	112.1	113.1	96.4	83.2	75.1	71.9	72.2
West Cost		35593.5	34853.4	34429.7	34166.4	32510.8	34801	34450.4	37465.3	44428.9	47660.4	49229	48848.1	46706.9	48537.1	48171.7	46846.5	46490.2	46518.4	46884.9	43671.5	44208.9	40694.8	39407.6	39749.2

WEST COAST GRID OPERATION



**Generation Mix Profile for 19th November 2012**

Gas	10,734 MWh
Hydro	1,219 MWh
Distillate	3,449 MWh
SREP	463 MWh



	DISTILLATE	GAS	HYDRO	BIOMASS
SESB	1,597.70 MWh	1,229.30 MWh	1,113.00 MWh	- MWh
IPP	1,851.30 MWh	9,504.60 MWh	105.60 MWh	- MWh
SREP	- MWh	- MWh	- MWh	462.50 MWh
<b>TOTAL</b>	<b>3,449.00 MWh</b>	<b>10,733.90 MWh</b>	<b>1,218.60 MWh</b>	<b>462.50 MWh</b>

	DISTILLATE	GAS	HYDRO	BIOMASS
SESB	10%	8%	7%	0%
IPP	12%	60%	1%	0%
SREP	0%	0%	0%	3%
<b>TOTAL</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>
<b>TOTALLY</b>	15,864.00			

DIST (IPP)	12%
DIST (SESB)	10%
SREP	3%
GAS (SESB)	8%
GAS (IPP)	60%
HYDRO (SESB)	7%
HYDRO (IPP)	1%
total	100%

