

GRID SYSTEM OPERATION SUMMARY (SABAH)

| | FORECAST | ACTUAL | VARIANCE |
|----------------------------------------------------|-----------------|---------------|-----------------|
| Maximum Demand (26th MAY' 2013) | 750 MW | 722 MW | -3.75% |
| Maximum Energy (26th MAY' 2013) | 15.6 MW | 13.7 GWh | -12.18% |
| Maximum Demand (record high 27 MARCH' 2013) | 860 MW | 867 MW | 0.77% |

Prepared by:

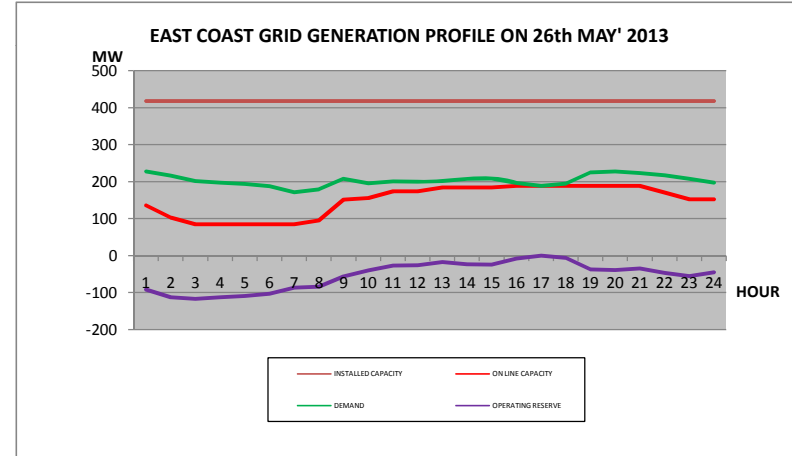
Electricity Market Operations

Electricity Supply & Market Regulations Dept.

Energy Commission Malaysia

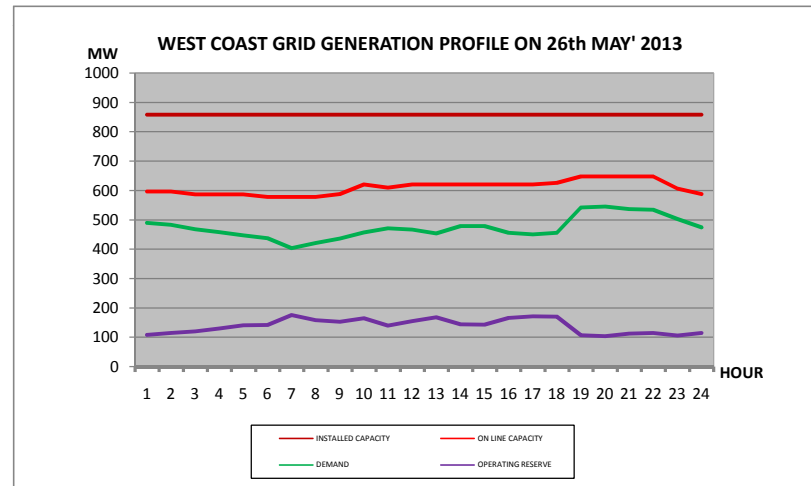
| EAST COAST GRID | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|--|---------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| INSTALLED CAPACITY | | 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 | |
| ON LINE CAPACITY | | 136 | 103 | 85 | 85 | 85 | 85 | 85 | 95 | 151 | 156 | 174 | 174 | 184.5 | 184.5 | 184.5 | 188.5 | 188.5 | 188.5 | 188.5 | 188.5 | 188.5 | 170.5 | 152 | 152 |
| DEMAND | | 227.46 | 215.8 | 201.77 | 197.1 | 193.97 | 187.89 | 171.2 | 178.71 | 207.2 | 195.37 | 200.43 | 199.48 | 201.87 | 207.6 | 208.58 | 195.88 | 188.28 | 194.19 | 225.28 | 227.05 | 223 | 217.38 | 207.32 | 196.94 |
| OPERATING RESERVE | | -91.46 | -112.8 | -116.77 | -112.1 | -108.97 | -102.89 | -86.2 | -83.71 | -56.2 | -39.37 | -26.43 | -25.48 | -17.37 | -23.1 | -24.08 | -7.38 | 0.22 | -5.69 | -36.78 | -38.55 | -34.5 | -46.88 | -55.32 | -44.94 |
| East Cost | | 16251.3 | 12859 | 9838 | 9591.74 | 9912.47 | 9968.04 | 10158.8 | 11907.2 | 17948.7 | 19883.8 | 22057.3 | 22177.6 | 24245.1 | 23186.8 | 23912.7 | 24722.5 | 23952.4 | 25089.7 | 26436.2 | 25763.8 | 26240.7 | 22557.9 | 19810.5 | 19341.8 |

EAST COAST GRID OPERATION



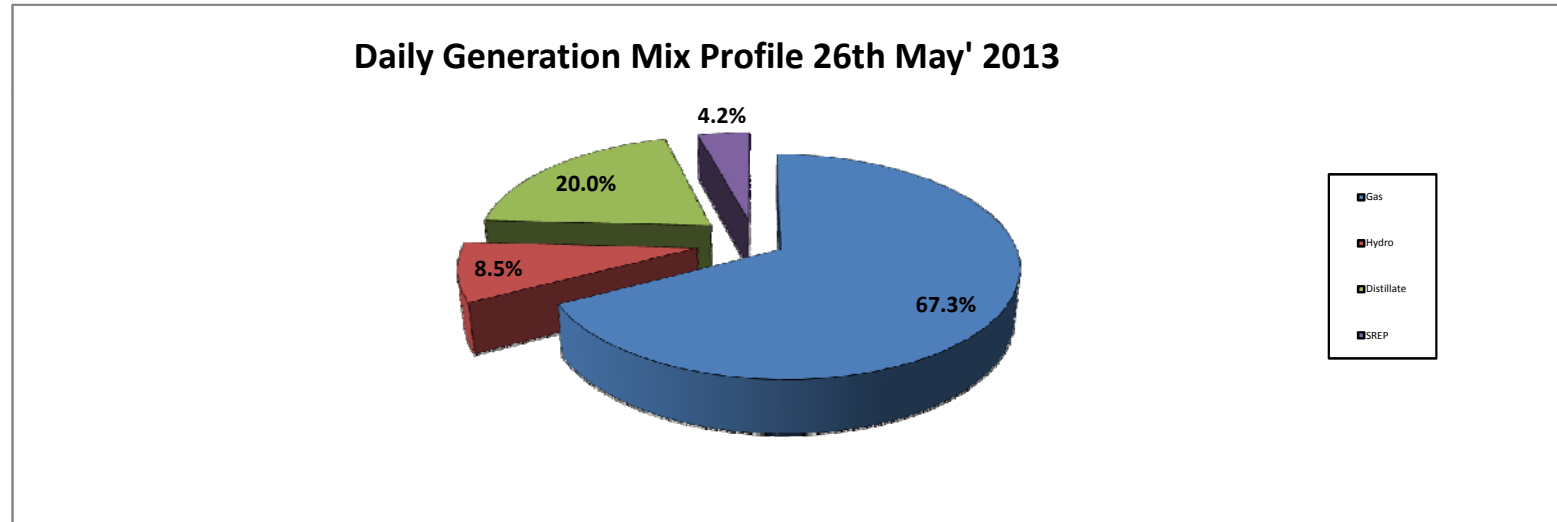
| WEST COAST GRID | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|--|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | <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> |
| INSTALLED CAPACITY | | 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 |
| ON LINE CAPACITY | | 596.5 | 596.5 | 587 | 587 | 587 | 578.5 | 578.5 | 578.5 | 588 | 621 | 610 | 621 | 621 | 621 | 621 | 621 | 621 | 626 | 648 | 648 | 648 | 648 | 607 | 588 |
| DEMAND | | 489.6 | 483 | 467.5 | 457.9 | 446.5 | 437.1 | 403 | 420.7 | 436.1 | 457 | 471.2 | 466.4 | 453.7 | 477.9 | 478.2 | 455.4 | 450.2 | 455.7 | 541.4 | 545.1 | 536.5 | 534.3 | 502.3 | 474.4 |
| OPERATING RESERVE | | 106.9 | 113.5 | 119.5 | 129.1 | 140.5 | 141.4 | 175.5 | 157.8 | 151.9 | 164 | 138.8 | 154.6 | 167.3 | 143.1 | 142.8 | 165.6 | 170.8 | 170.3 | 106.6 | 102.9 | 111.5 | 113.7 | 104.7 | 113.6 |
| West Cost | | 36081.6 | 35832.5 | 34059.7 | 33437.3 | 32503.7 | 31347.6 | 28940.6 | 29955.3 | 31666.9 | 34764.1 | 37410.1 | 37075.4 | 34713.3 | 36530.6 | 36573.2 | 34860.5 | 34366.8 | 35137.1 | 41280.8 | 41704.8 | 41109.1 | 40677.7 | 36948.4 | 34336.7 |

WEST COAST GRID OPERATION



Generation Mix Profile for 26th May 2013

| | |
|------------|-----------|
| Gas | 9,453 MWh |
| Hydro | 1,196 MWh |
| Distillate | 2,813 MWh |
| SREP | 585 MWh |



| | DISTILLATE | GAS | HYDRO | BIOMASS |
|--------------|---------------------|---------------------|---------------------|-------------------|
| SESB | 1,196.10 MWh | 1,536.10 MWh | 1,093.20 MWh | - MWh |
| IPP | 1,617.36 MWh | 7,916.60 MWh | 103.10 MWh | - MWh |
| SREP | - MWh | - MWh | MWh | 584.60 MWh |
| TOTAL | 2,813.46 MWh | 9,452.70 MWh | 1,196.30 MWh | 584.60 MWh |

| | DISTILLATE | GAS | HYDRO | BIOMASS |
|----------------|-------------|-------------|-------------|-------------|
| SESB | 9% | 11% | 8% | 0% |
| IPP | 12% | 56% | 1% | 0% |
| SREP | 0% | 0% | 0% | 4% |
| TOTAL | 100% | 100% | 100% | 100% |
| TOTALLY | 14,047.06 | | | |

| | |
|--------------|------|
| DIST (IPP) | 12% |
| DIST (SESB) | 9% |
| SREP | 4% |
| GAS (SESB) | 11% |
| GAS (IPP) | 56% |
| HYDRO (SESB) | 8% |
| HYDRO (IPP) | 1% |
| total | 100% |

