

GRID SYSTEM OPERATION SUMMARY (SABAH)

| | FORECAST | ACTUAL | VARIANCE |
|--|-----------------|---------------|-----------------|
| Maximum Demand (1st JULY' 2013) | 870 MW | 829 MW | -4.77% |
| Maximum Energy (1st JULY' 2013) | 17.8 MW | 15.6 GWh | -12.36% |
| Maximum Demand (record high 27 MARCH' 2013) | 860 MW | 867 MW | 0.77% |

Prepared by:

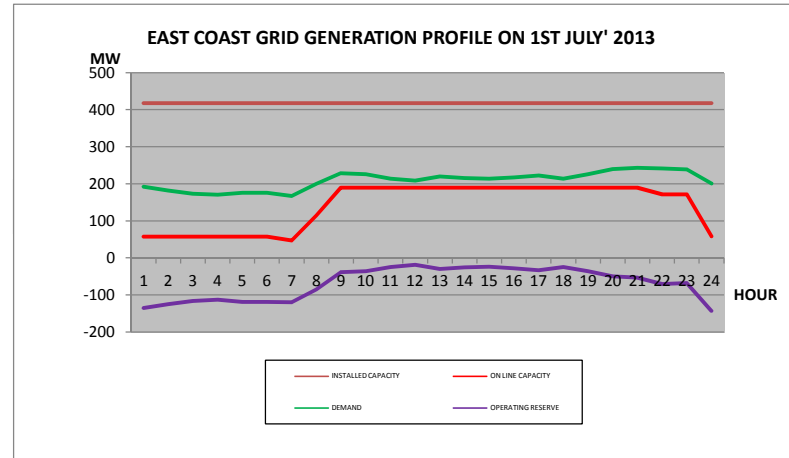
Electricity Market Operations

Electricity Supply & Market Regulations Dept.

Energy Commission Malaysia

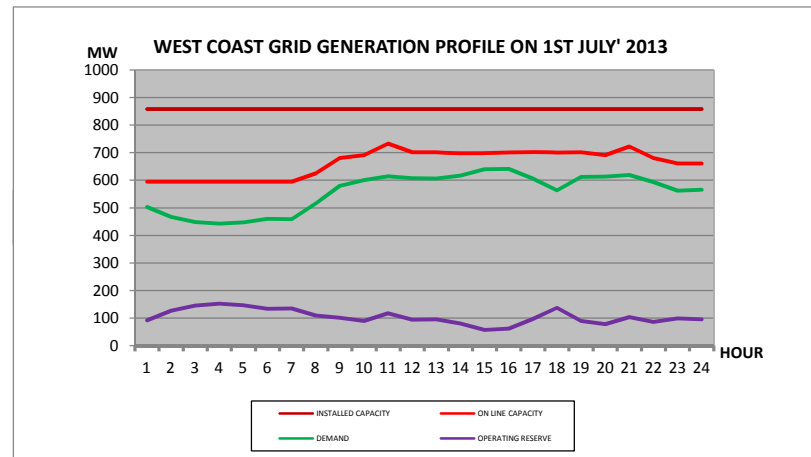
| EAST COAST GRID | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|--|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| 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 | | 57 | 57 | 57 | 57 | 57 | 57 | 47 | 114 | 189.5 | 189.5 | 189.5 | 189.5 | 189.5 | 189.5 | 189.5 | 189.5 | 189.5 | 189.5 | 189.5 | 189.5 | 171 | 171 | 58 | |
| DEMAND | | 192.38 | 181.87 | 173.35 | 170.23 | 175.71 | 175.69 | 166.67 | 199.58 | 228.42 | 225.74 | 213.76 | 208.18 | 219.75 | 215.18 | 213.62 | 217.35 | 222.59 | 213.84 | 225.42 | 239.64 | 243.05 | 241.73 | 239.13 | 200.67 |
| OPERATING RESERVE | | -135.38 | -124.87 | -116.35 | -113.23 | -118.71 | -118.69 | -119.67 | -85.58 | -38.92 | -36.24 | -24.26 | -18.68 | -30.25 | -25.68 | -24.12 | -27.85 | -33.09 | -24.34 | -35.92 | -50.14 | -53.55 | -70.73 | -68.13 | -142.67 |

EAST COAST GRID OPERATION



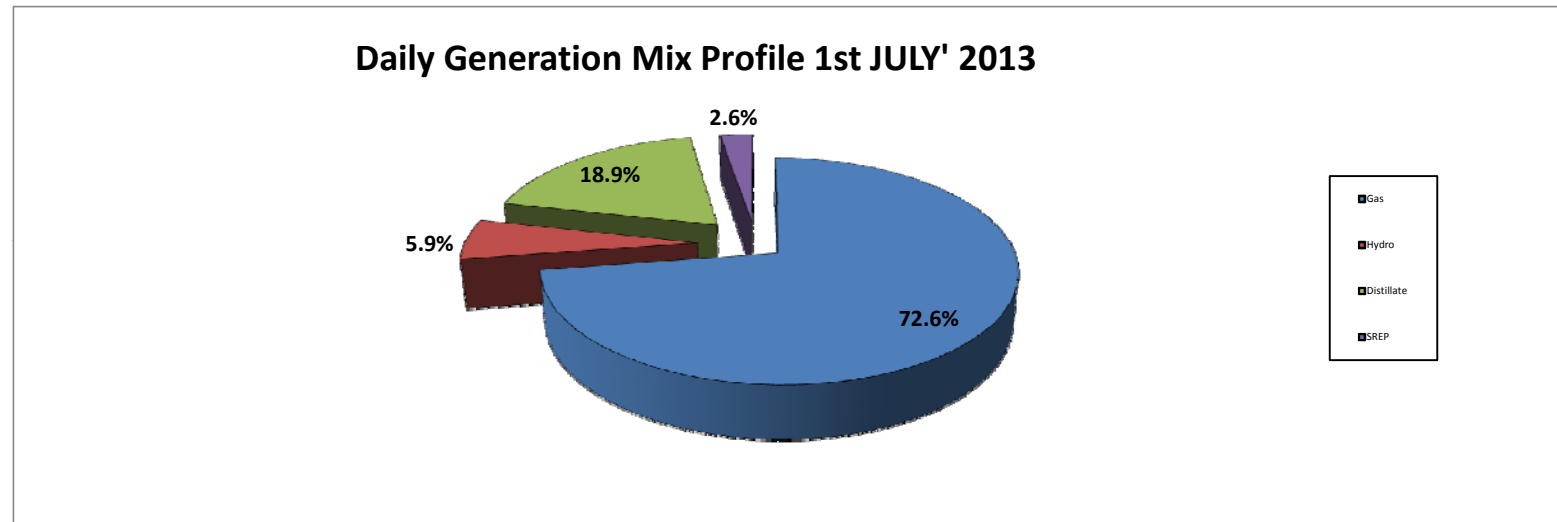
| WEST COAST GRID | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|--|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 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 | | 594.5 | 594.5 | 594.5 | 594.5 | 594.5 | 594.5 | 594.5 | 625 | 680 | 691 | 733 | 702 | 702 | 697.5 | 697.5 | 702 | 702 | 700 | 702 | 691 | 722 | 680 | 661 | 661 |
| DEMAND | | 502.9 | 467.5 | 448.5 | 442.3 | 447.3 | 460.2 | 458.9 | 515.8 | 579.1 | 601 | 614.8 | 607.8 | 606.3 | 617.2 | 639.7 | 640.5 | 605.7 | 563 | 612 | 612.7 | 618.7 | 593.4 | 561.7 | 565.8 |
| OPERATING RESERVE | | 91.6 | 127 | 146 | 152.2 | 147.2 | 134.3 | 135.6 | 109.2 | 100.9 | 90 | 118.2 | 94.2 | 95.7 | 80.3 | 57.8 | 61.5 | 96.3 | 137 | 90 | 78.3 | 103.3 | 86.6 | 99.3 | 95.2 |

WEST COAST GRID OPERATION



Generation Mix Profile for 1st JULY 2013

| | |
|------------|------------|
| Gas | 11,538 MWh |
| Hydro | 933 MWh |
| Distillate | 2,999 MWh |
| SREP | 415 MWh |



| | MFO/DIESEL | GAS | HYDRO | BIOMASS |
|--------------|---------------------|----------------------|-------------------|-------------------|
| SESB | 1,303.00 MWh | 1,593.30 MWh | 896.20 MWh | - MWh |
| IPP | 1,695.70 MWh | 9,945.00 MWh | 36.80 MWh | - MWh |
| SREP | - MWh | - MWh | MWh | 414.70 MWh |
| TOTAL | 2,998.70 MWh | 11,538.30 MWh | 933.00 MWh | 414.70 MWh |

| | DISTILLATE | GAS | HYDRO | BIOMASS |
|----------------|-------------|-------------|-------------|-------------|
| SESB | 8% | 10% | 6% | 0% |
| IPP | 11% | 63% | 0% | 0% |
| SREP | 0% | 0% | 0% | 3% |
| TOTAL | 100% | 100% | 100% | 100% |
| TOTALLY | 15,884.70 | | | |

| | |
|--------------|------|
| DIST (IPP) | 11% |
| DIST (SESB) | 8% |
| SREP | 3% |
| GAS (SESB) | 10% |
| GAS (IPP) | 63% |
| HYDRO (SESB) | 6% |
| HYDRO (IPP) | 0% |
| total | 100% |

