

GRID SYSTEM OPERATION SUMMARY (SABAH)

| | FORECAST | ACTUAL | VARIANCE |
|--|-----------------|---------------|-----------------|
| Maximum Demand (29th JULY' 2013) | 850 MW | 804 MW | -5.40% |
| Maximum Energy (29th JULY' 2013) | 17.2 MW | 15.7 GWh | -8.72% |
| Maximum Demand (record high 27 MARCH' 2013) | 860 MW | 867 MW | 0.77% |

Prepared by:

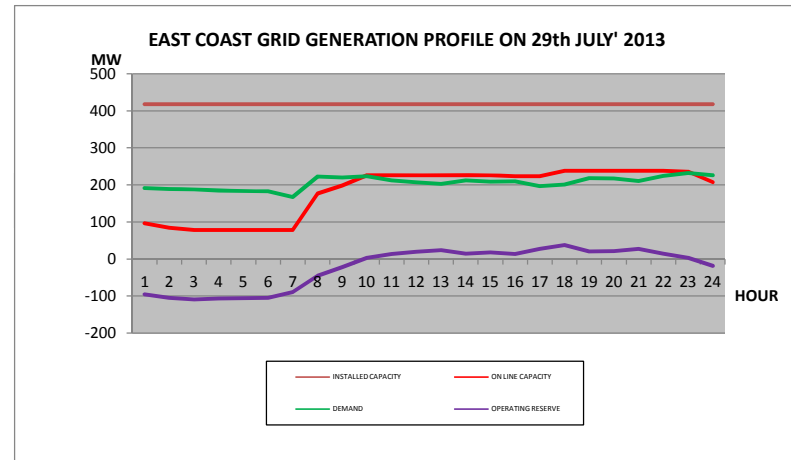
Electricity Market Operations

Electricity Supply & Market Regulations Dept.

Energy Commission Malaysia

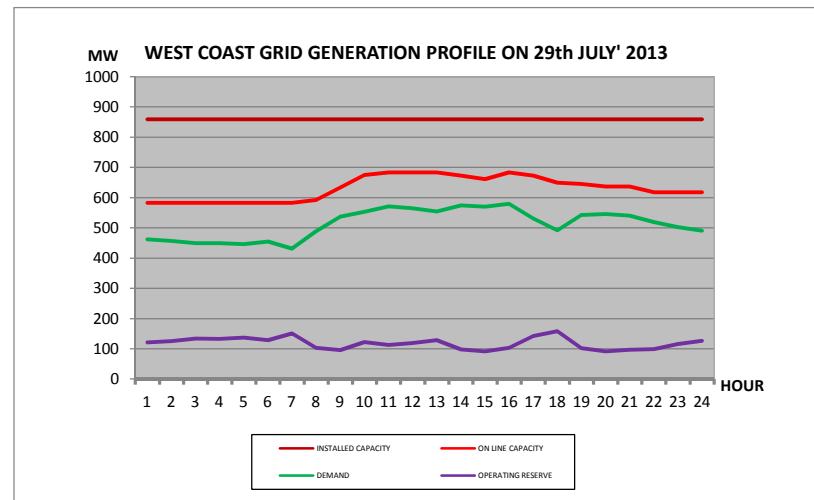
| EAST COAST GRID | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|--|--------|---------|---------|---------|---------|---------|--------|-------|-------|-------|--------|-------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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 | | 96 | 84 | 78 | 78 | 78 | 78 | 78 | 177 | 198 | 226.5 | 226.5 | 226.5 | 226.5 | 226.5 | 226.5 | 223.5 | 223.5 | 238.5 | 238.5 | 238.5 | 238.5 | 238.5 | 235.5 | 207 |
| DEMAND | | 191.37 | 189.14 | 187.65 | 184.57 | 183.57 | 183.26 | 167.69 | 222.6 | 220.4 | 223.8 | 212.66 | 206.8 | 203.06 | 212.49 | 209.18 | 209.7 | 196.36 | 201.27 | 218.25 | 217.26 | 210.86 | 224.63 | 232.18 | 225.99 |
| OPERATING RESERVE | | -95.37 | -105.14 | -109.65 | -106.57 | -105.57 | -105.26 | -89.69 | -45.6 | -22.4 | 2.7 | 13.84 | 19.7 | 23.44 | 14.01 | 17.32 | 13.8 | 27.14 | 37.23 | 20.25 | 21.24 | 27.64 | 13.87 | 3.32 | -18.99 |

EAST COAST GRID OPERATION



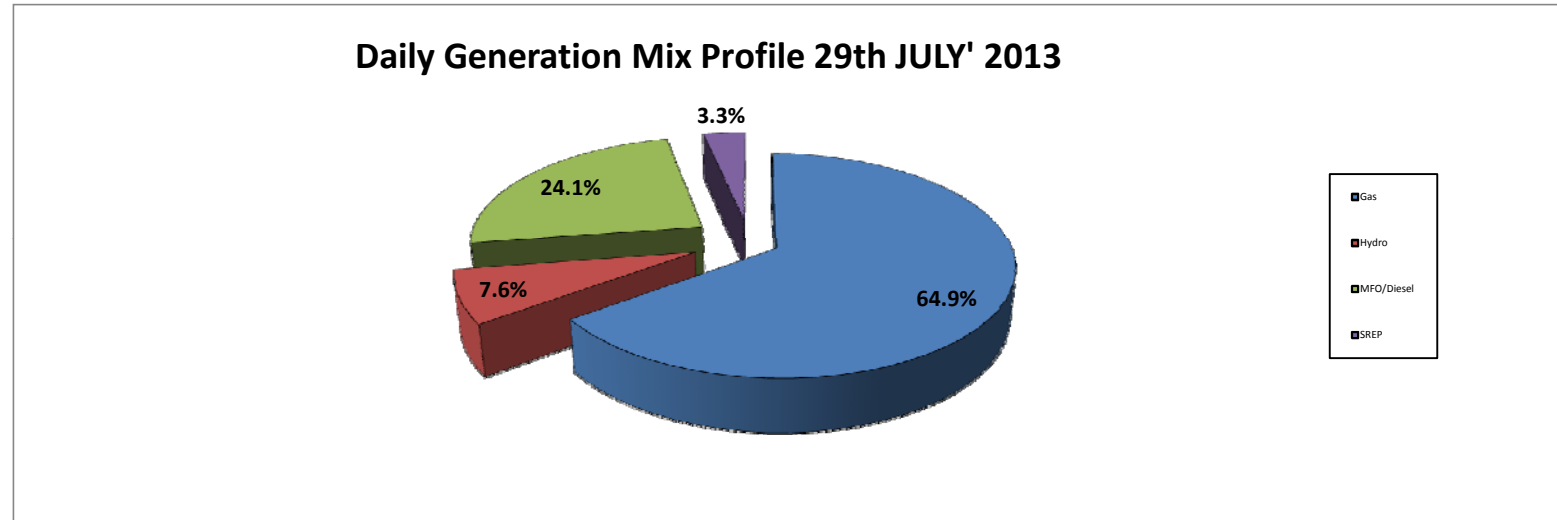
| WEST COAST GRID | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | 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 | | 582.5 | 582.5 | 582.5 | 582.5 | 582.5 | 582.5 | 582.5 | 592 | 633 | 675 | 683.5 | 683.5 | 683.5 | 672.5 | 661.5 | 683.5 | 672.5 | 649.5 | 645 | 637 | 637 | 618 | 618 | 618 |
| DEMAND | | 461.7 | 457.1 | 449.1 | 449.3 | 445.9 | 454.1 | 431.8 | 488.5 | 537.5 | 552.5 | 571 | 564.7 | 554.6 | 574.5 | 570.2 | 579.9 | 530.5 | 491.4 | 542.8 | 545.7 | 540.1 | 518.9 | 502.1 | 491.1 |
| OPERATING RESERVE | | 120.8 | 125.4 | 133.4 | 133.2 | 136.6 | 128.4 | 150.7 | 103.5 | 95.5 | 122.5 | 112.5 | 118.8 | 128.9 | 98 | 91.3 | 103.6 | 142 | 158.1 | 102.2 | 91.3 | 96.9 | 99.1 | 115.9 | 126.9 |

WEST COAST GRID OPERATION



Generation Mix Profile for 29th JULY 2013

| | |
|------------|------------|
| Gas | 10,183 MWh |
| Hydro | 1,197 MWh |
| MFO/Diesel | 3,774 MWh |
| SREP | 525 MWh |



| | MFO/DIESEL | GAS | HYDRO | BIOMASS |
|--------------|---------------------|----------------------|---------------------|-------------------|
| SESB | 1,748.87 MWh | 2,157.96 MWh | 1,163.20 MWh | - MWh |
| IPP | 2,025.07 MWh | 8,024.79 MWh | 33.57 MWh | - MWh |
| SREP | - MWh | - MWh | MWh | 524.62 MWh |
| TOTAL | 3,773.94 MWh | 10,182.75 MWh | 1,196.77 MWh | 524.62 MWh |

| | MFO/DIESEL | GAS | HYDRO | BIOMASS |
|----------------|-------------|-------------|-------------|-------------|
| SESB | 11% | 14% | 7% | 0% |
| IPP | 13% | 51% | 0% | 0% |
| SREP | 0% | 0% | 0% | 3% |
| TOTAL | 100% | 100% | 100% | 100% |
| TOTALLY | 15,678.07 | | | |

| | |
|--------------|------|
| DIST (IPP) | 13% |
| DIST (SESB) | 11% |
| SREP | 3% |
| GAS (SESB) | 14% |
| GAS (IPP) | 51% |
| HYDRO (SESB) | 7% |
| HYDRO (IPP) | 0% |
| total | 100% |

