

GRID SYSTEM OPERATION SUMMARY (SABAH)

| | FORECAST | ACTUAL | VARIANCE |
|--|-----------------|---------------|-----------------|
| Maximum Demand (16th AUG' 2013) | 810 MW | 800 MW | -1.26% |
| Maximum Energy (16th AUG' 2013) | 16.4 MW | 15.6 GWh | -4.88% |
| Maximum Demand (record high 27 MARCH' 2013) | 860 MW | 867 MW | 0.77% |

Prepared by:

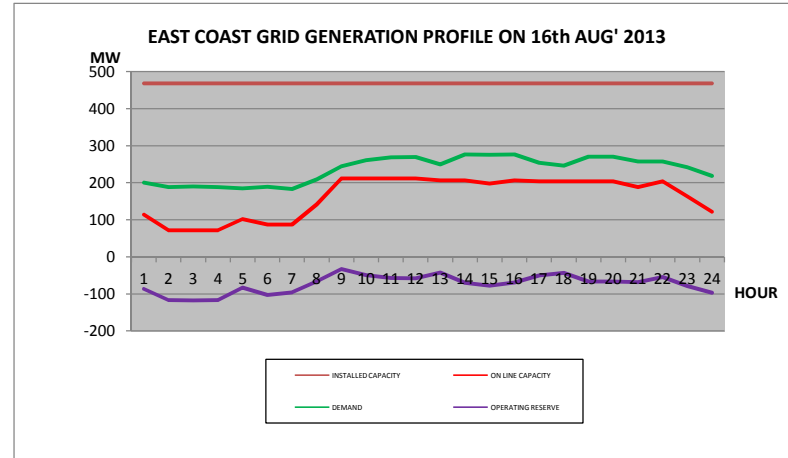
Electricity Market Operations

Electricity Supply & Market Regulations Dept.

Energy Commission Malaysia

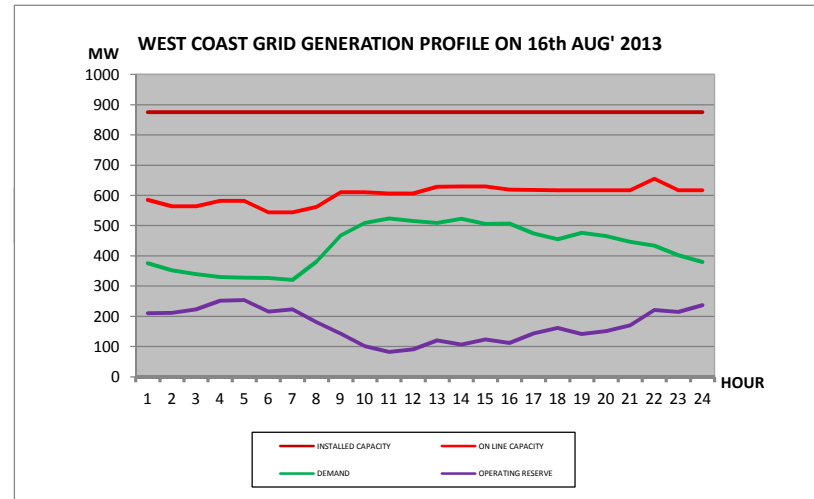
| EAST COAST GRID | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|--|-------|---------|---------|--------|--------|---------|--------|--------|--------|--------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| INSTALLED CAPACITY | | 467.9 | 467.9 | 467.9 | 467.9 | 467.9 | 467.9 | 467.9 | 467.9 | 467.9 | 467.9 | 467.9 | 467.9 | 467.9 | 467.9 | 467.9 | 467.9 | 467.9 | 467.9 | 467.9 | 467.9 | 467.9 | 467.9 | 467.9 | |
| ON LINE CAPACITY | | 114 | 72 | 72 | 72 | 102 | 87 | 87 | 142 | 211.5 | 211.5 | 211.5 | 211.5 | 206.5 | 206.5 | 197.5 | 206.5 | 203.5 | 203.5 | 203.5 | 203.5 | 188.5 | 203.5 | 163 | 122 |
| DEMAND | | 200.1 | 188.43 | 189.62 | 188.4 | 184.84 | 189.46 | 183.11 | 208.67 | 244.69 | 260.92 | 268.6 | 269 | 249.3 | 276.61 | 275.07 | 276.08 | 253.89 | 246.45 | 269.95 | 270.13 | 257.05 | 257.68 | 241.76 | 218.76 |
| OPERATING RESERVE | | -86.1 | -116.43 | -117.62 | -116.4 | -82.84 | -102.46 | -96.11 | -66.67 | -33.19 | -49.42 | -57.1 | -57.5 | -42.8 | -70.11 | -77.57 | -69.58 | -50.39 | -42.95 | -66.45 | -66.63 | -68.55 | -54.18 | -78.76 | -96.76 |

EAST COAST GRID OPERATION



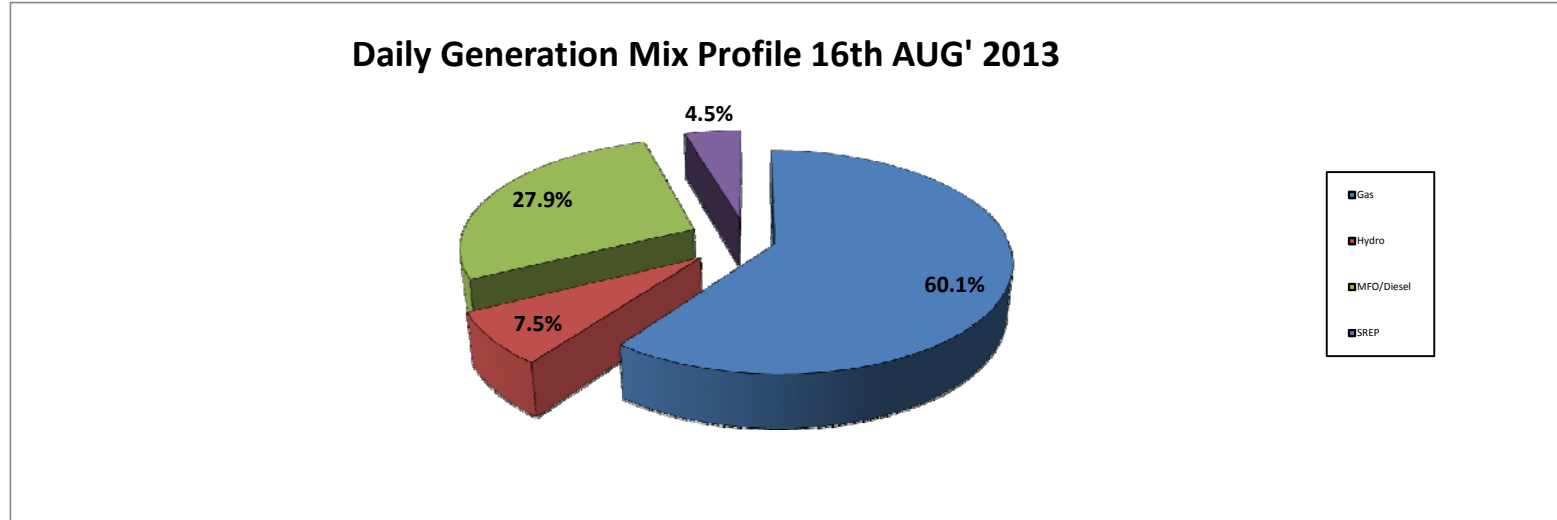
| WEST COAST GRID | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|--|-------|--------|--------|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | 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 | | 875.1 | 875.1 | 875.1 | 875.1 | 875.1 | 875.1 | 875.1 | 875.1 | 875.1 | 875.1 | 875.1 | 875.1 | 875.1 | 875.1 | 875.1 | 875.1 | 875.1 | 875.1 | 875.1 | 875.1 | 875.1 | 875.1 | 875.1 | 875.1 |
| ON LINE CAPACITY | | 585.5 | 563.5 | 563.5 | 581.5 | 581.5 | 543.5 | 543.5 | 561.5 | 610.5 | 610.5 | 606 | 606 | 629 | 630.1 | 630.1 | 619.1 | 618 | 617 | 617 | 617 | 617 | 655 | 617 | 617 |
| DEMAND | | 375.5 | 352.47 | 339.88 | 329.6 | 327.96 | 327.34 | 320.69 | 380.63 | 467.91 | 509.28 | 524 | 514.8 | 508.7 | 523.14 | 506.18 | 507.19 | 474.26 | 455.15 | 475.88 | 465.57 | 446.55 | 433.72 | 401.84 | 379.64 |
| OPERATING RESERVE | | 210 | 211.03 | 223.62 | 251.9 | 253.54 | 216.16 | 222.81 | 180.87 | 142.59 | 101.22 | 82 | 91.2 | 120.3 | 106.96 | 123.92 | 111.91 | 143.74 | 161.85 | 141.12 | 151.43 | 170.45 | 221.28 | 215.16 | 237.36 |

WEST COAST GRID OPERATION



Generation Mix Profile for 16th AUGUST 2013

| | |
|------------|-----------|
| Gas | 9,913 MWh |
| Hydro | 1,239 MWh |
| MFO/Diesel | 4,595 MWh |
| SREP | 747 MWh |



| | MFO/DIESEL | GAS | HYDRO | BIOMASS |
|--------------|---------------------|---------------------|---------------------|-------------------|
| SESB | 2,763.20 MWh | 1,510.58 MWh | 1,209.20 MWh | - MWh |
| IPP | 1,831.59 MWh | 8,402.63 MWh | 30.00 MWh | - MWh |
| SREP | - MWh | - MWh | MWh | 746.87 MWh |
| TOTAL | 4,594.80 MWh | 9,913.21 MWh | 1,239.20 MWh | 746.87 MWh |

| | MFO/DIESEL | GAS | HYDRO | BIOMASS |
|----------------|-------------|-------------|-------------|-------------|
| SESB | 17% | 9% | 7% | 0% |
| IPP | 11% | 51% | 0% | 0% |
| SREP | 0% | 0% | 0% | 5% |
| TOTAL | 100% | 100% | 100% | 100% |
| TOTALLY | 16,494.08 | | | |

| | |
|--------------|------|
| DIST (IPP) | 11% |
| DIST (SESB) | 17% |
| SREP | 5% |
| GAS (SESB) | 9% |
| GAS (IPP) | 51% |
| HYDRO (SESB) | 7% |
| HYDRO (IPP) | 0% |
| total | 100% |

