

GRID SYSTEM OPERATION SUMMARY (SABAH)

| | FORECAST | ACTUAL | VARIANCE |
|--|-----------------|---------------|-----------------|
| Maximum Demand (2nd SEPT' 2013) | 840 MW | 824 MW | -1.89% |
| Maximum Energy (2nd SEPT' 2013) | 17.6 MW | 15.9 GWh | -9.66% |
| Maximum Demand (record high 27 MARCH' 2013) | 860 MW | 867 MW | 0.77% |

Prepared by:

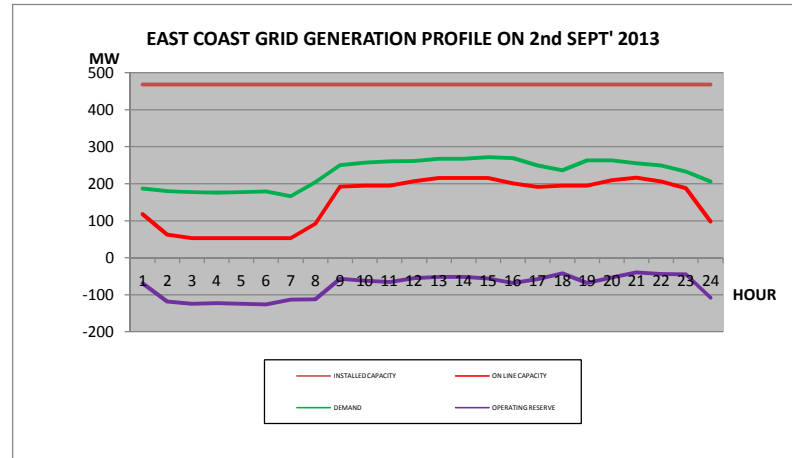
Electricity Market Operations

Electricity Supply & Market Regulations Dept.

Energy Commission Malaysia

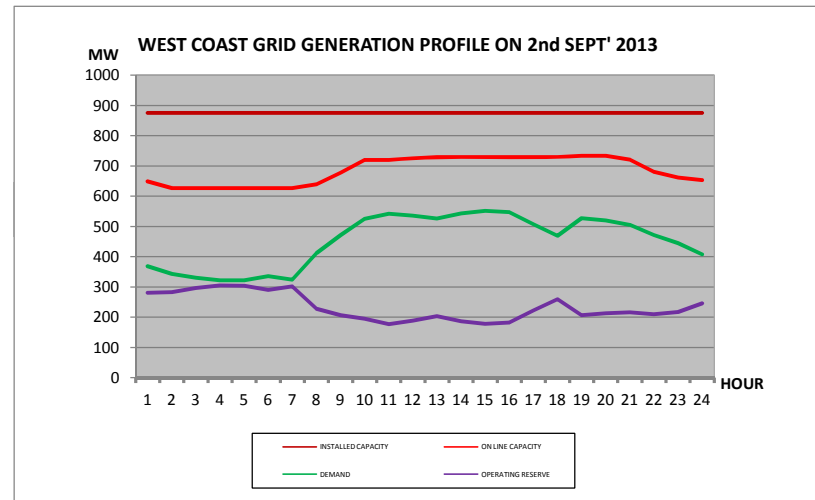
| EAST COAST GRID | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|--|--------|---------|---------|--------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| 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 | | 118 | 62 | 53 | 53 | 53 | 53 | 53 | 92 | 192.5 | 194.7 | 194.7 | 206.7 | 215.7 | 215.7 | 215.7 | 200.7 | 191.7 | 194.7 | 194.7 | 209.7 | 216.5 | 206 | 188 | 98 |
| DEMAND | | 187.24 | 180.21 | 177.24 | 176.1 | 177.73 | 179.63 | 166.07 | 203.99 | 249.93 | 256.94 | 260.45 | 261.58 | 267.71 | 267.49 | 272.15 | 268.83 | 249.55 | 236.72 | 263.03 | 262.91 | 255.79 | 249.64 | 232.57 | 205.67 |
| OPERATING RESERVE | | -69.24 | -118.21 | -124.24 | -123.1 | -124.73 | -126.63 | -113.07 | -111.99 | -57.43 | -62.24 | -65.75 | -54.88 | -52.01 | -51.79 | -56.45 | -68.13 | -57.85 | -42.02 | -68.33 | -53.21 | -39.29 | -43.64 | -44.57 | -107.67 |

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 | | 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 | | 649 | 626.5 | 626.5 | 626.5 | 626.5 | 626.5 | 626.5 | 639.5 | 678 | 720 | 720 | 725 | 729.5 | 729.5 | 729.5 | 729.5 | 729.5 | 729.5 | 733.5 | 733.5 | 721.5 | 680.5 | 661.5 | 653 |
| DEMAND | | 368.76 | 343.19 | 329.96 | 321.7 | 322.27 | 336.17 | 324.33 | 411.91 | 471.67 | 524.76 | 542.62 | 535.89 | 526.27 | 543.18 | 551.99 | 546.97 | 507.55 | 469.58 | 527.42 | 520.09 | 505.61 | 471.06 | 444.53 | 407.48 |
| OPERATING RESERVE | | 280.24 | 283.31 | 296.54 | 304.8 | 304.23 | 290.33 | 302.17 | 227.59 | 206.33 | 195.24 | 177.38 | 189.11 | 203.23 | 186.32 | 177.51 | 182.53 | 221.95 | 259.92 | 206.08 | 213.41 | 215.89 | 209.44 | 216.97 | 245.52 |

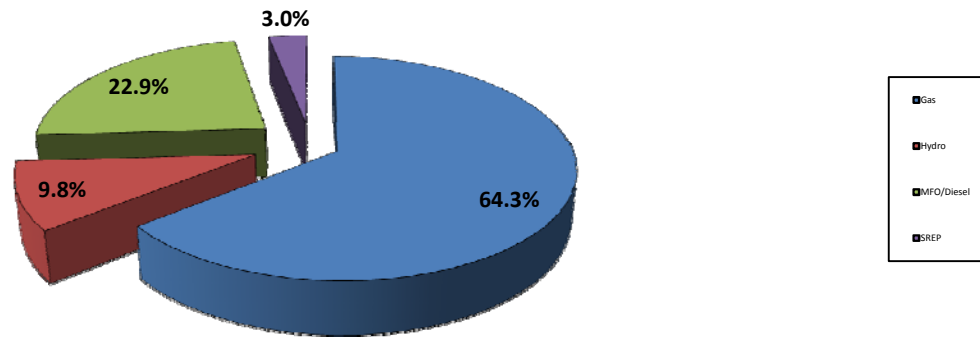
WEST COAST GRID OPERATION



Generation Mix Profile for 2nd SEPTEMBER 2013

| | |
|------------|------------|
| Gas | 10,248 MWh |
| Hydro | 1,562 MWh |
| MFO/Diesel | 3,648 MWh |
| SREP | 481 MWh |

Daily Generation Mix Profile 2nd SEPT' 2013



| | MFO/DIESEL | GAS | HYDRO | BIOMASS |
|--------------|---------------------|----------------------|---------------------|-------------------|
| SESB | 1,774.80 MWh | 1,640.32 MWh | 1,539.20 MWh | - MWh |
| IPP | 1,873.23 MWh | 8,607.50 MWh | 23.05 MWh | - MWh |
| SREP | - MWh | - MWh | MWh | 480.78 MWh |
| TOTAL | 3,648.03 MWh | 10,247.82 MWh | 1,562.25 MWh | 480.78 MWh |

| | MFO/DIESEL | GAS | HYDRO | BIOMASS |
|----------------|-------------|-------------|-------------|-------------|
| SESB | 11% | 10% | 10% | 0% |
| IPP | 12% | 54% | 0% | 0% |
| SREP | 0% | 0% | 0% | 3% |
| TOTAL | 100% | 100% | 100% | 100% |
| TOTALLY | 15,938.89 | | | |

| | |
|--------------|------|
| DIST (IPP) | 12% |
| DIST (SESB) | 11% |
| SREP | 3% |
| GAS (SESB) | 10% |
| GAS (IPP) | 54% |
| HYDRO (SESB) | 10% |
| HYDRO (IPP) | 0% |
| total | 100% |

GENERATION MIX SESB-IPP-SREP 2nd SEPT' 2013

