

GRID SYSTEM OPERATION SUMMARY (SABAH)

| | FORECAST | ACTUAL | VARIANCE |
|--|-----------------|---------------|-----------------|
| Maximum Demand (1st AUG' 2012) | 785 MW | 786 MW | 0.13% |
| Maximum Energy (1st AUG' 2012) | 15.9 GWh | 15.5 GWh | -2.52% |
| Maximum Demand (record high 28/06/11) | 800 MW | 830 MW | 3.76% |

Prepared by:

Electricity Market Operations

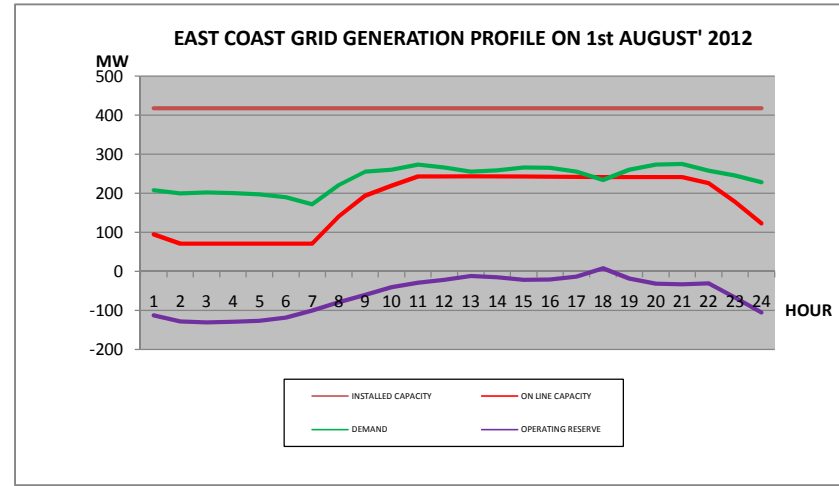
Electricity Supply & Market Regulations Dept.

Energy Commission Malaysia

08-Aug-12

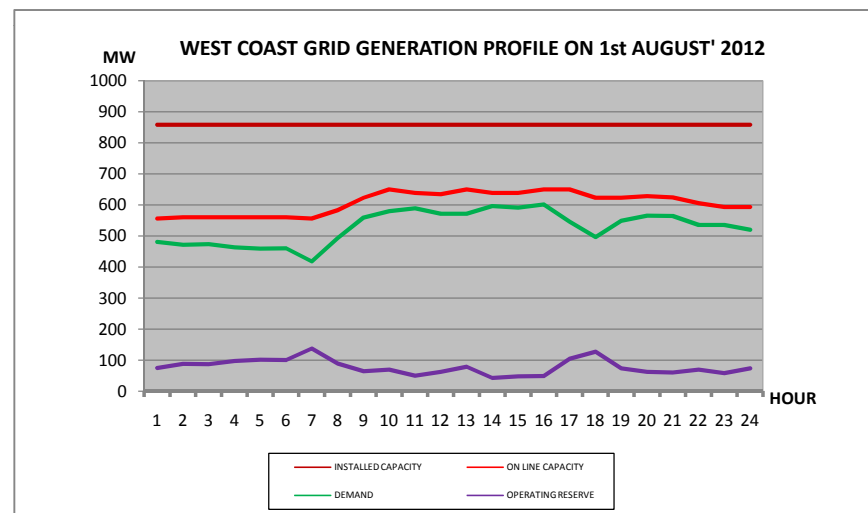
| EAST COAST GRID | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|---------|---------|---------|--------|
| 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 | | 95 | 71 | 71 | 71 | 71 | 71 | 71 | 141 | 194.3 | 219.3 | 243.4 | 243.4 | 243.4 | 243.4 | 243.4 | 241.4 | 241.4 | 241.4 | 241.4 | 241.4 | 226.4 | 178.4 | 123 | | |
| DEMAND | | 207.77 | 199.3 | 201.67 | 200.21 | 197.33 | 189.75 | 171.52 | 220.37 | 255 | 259.98 | 272.93 | 265.72 | 255.37 | 258.43 | 265.69 | 264.904 | 255.4 | 233.9 | 260.31 | 272.9 | 274.88 | 257.55 | 245.25 | 228.39 | |
| OPERATING RESERVE | | -112.77 | -128.3 | -130.67 | -129.21 | -126.33 | -118.75 | -100.52 | -79.37 | -60.7 | -40.68 | -29.53 | -22.32 | -11.97 | -15.03 | -22.29 | -21.504 | -14 | 7.5 | -18.91 | -31.5 | -33.48 | -31.15 | -66.85 | -105.39 | |
| East Cost | | 10603.7 | 8695.38 | 9230.66 | 9162.76 | 8630.58 | 7565.39 | 7701.29 | 15163.3 | 21054.5 | 24691.3 | 28073.2 | 26425.3 | 27197.2 | 27815.1 | 28865.6 | 26718.9 | 27089.8 | 27276.5 | 27895.6 | 28036.2 | 27444 | 25673.1 | 20802.3 | 13999.3 | 398441 |

EAST COAST GRID OPERATION



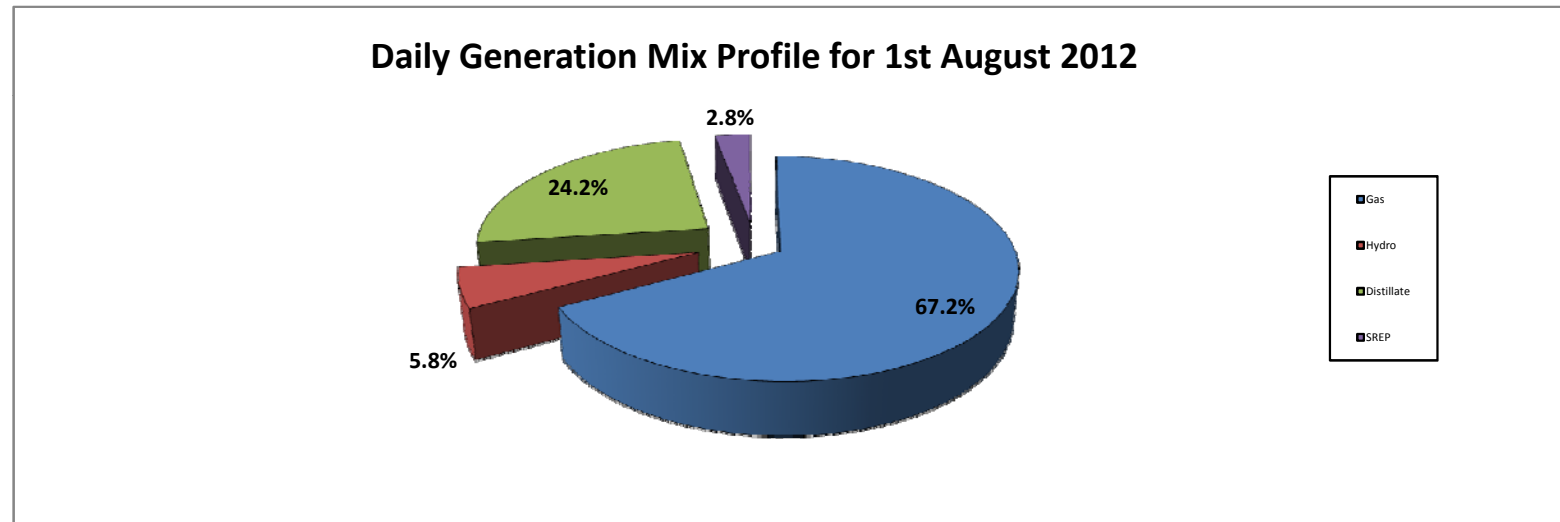
| WEST COAST GRID | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | 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 | | 556 | 560.5 | 560.5 | 560.5 | 560.5 | 560.5 | 556 | 582.5 | 623.5 | 650.1 | 639.1 | 634.6 | 650.1 | 639.1 | 639.1 | 650.1 | 650.1 | 623.6 | 623.6 | 628.1 | 624.5 | 605.5 | 593.5 | 593.5 |
| DEMAND | | 481.5 | 472.3 | 474 | 463.3 | 459.2 | 460.4 | 418.2 | 493 | 559.7 | 580.4 | 589 | 572.1 | 571.8 | 596.7 | 592 | 601.8 | 545.6 | 496.2 | 549.7 | 565.5 | 564.6 | 536.3 | 535.5 | 519.8 |
| OPERATING RESERVE | | 74.5 | 88.2 | 86.5 | 97.2 | 101.3 | 100.1 | 137.8 | 89.5 | 63.8 | 69.7 | 50.1 | 62.5 | 78.3 | 42.4 | 47.1 | 48.3 | 104.5 | 127.4 | 73.9 | 62.6 | 59.9 | 69.2 | 58 | 73.7 |
| West Cost | | 36432 | 35894 | 35935 | 35079 | 34718 | 34856 | 31001 | 38794 | 45984 | 48442 | 48604 | 46673 | 47191 | 48725 | 48299 | 49635 | 45954 | 42384 | 47230 | 48681 | 48408 | 44972 | 44795 | 43571 |

WEST COAST GRID OPERATION



Generation Mix Profile for 1st August 2012

| | |
|------------|------------|
| Gas | 10,772 MWh |
| Hydro | 922 MWh |
| Distillate | 3,887 MWh |
| SREP | 456 MWh |



| | DISTILLATE | GAS | HYDRO | BIOMASS |
|--------------|---------------------|----------------------|-------------------|-------------------|
| SESB | 1,663.40 MWh | 1,380.90 MWh | 918.00 MWh | - MWh |
| IPP | 2,223.69 MWh | 9,391.00 MWh | 4.20 MWh | - MWh |
| SREP | - MWh | - MWh | - MWh | 455.50 MWh |
| TOTAL | 3,887.09 MWh | 10,771.90 MWh | 922.20 MWh | 455.50 MWh |

| | DISTILLATE | GAS | HYDRO | BIOMASS |
|----------------|-------------|-------------|-------------|-------------|
| SESB | 10% | 9% | 6% | 0% |
| IPP | 14% | 59% | 0% | 0% |
| SREP | 0% | 0% | 0% | 3% |
| TOTAL | 100% | 100% | 100% | 100% |
| TOTALLY | 16,036.69 | | | |

| | |
|--------------|------|
| DIST (IPP) | 14% |
| DIST (SESB) | 10% |
| SREP | 3% |
| GAS (SESB) | 9% |
| GAS (IPP) | 59% |
| HYDRO (SESB) | 6% |
| HYDRO (IPP) | 0% |
| total | 100% |

