

GRID SYSTEM OPERATION SUMMARY (SABAH)

| | FORECAST | ACTUAL | VARIANCE |
|--|-----------------|---------------|-----------------|
| Maximum Demand (29th SEPT' 2012) | 745 MW | 753 MW | 1.07% |
| Maximum Energy (29th SEPT' 2012) | 15.1 MW | 14.6 GWh | -3.31% |
| Maximum Demand (record high 28/06/11) | 800 MW | 830 MW | 3.76% |

Prepared by:

Electricity Market Operations

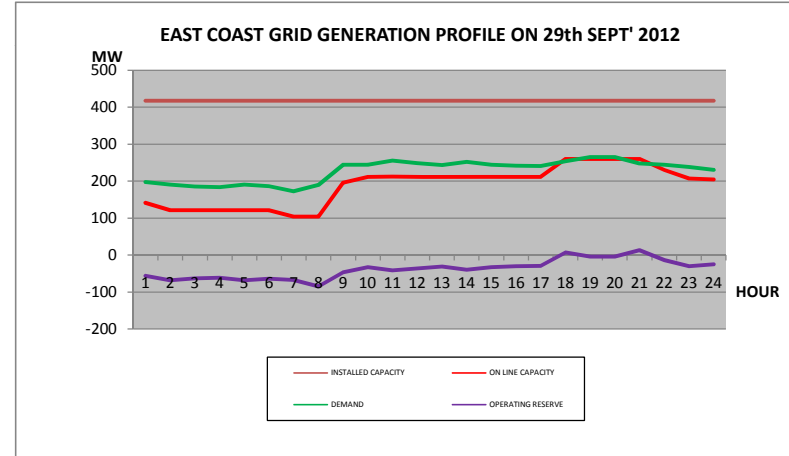
Electricity Supply & Market Regulations Dept.

Energy Commission Malaysia

01-Oct-12

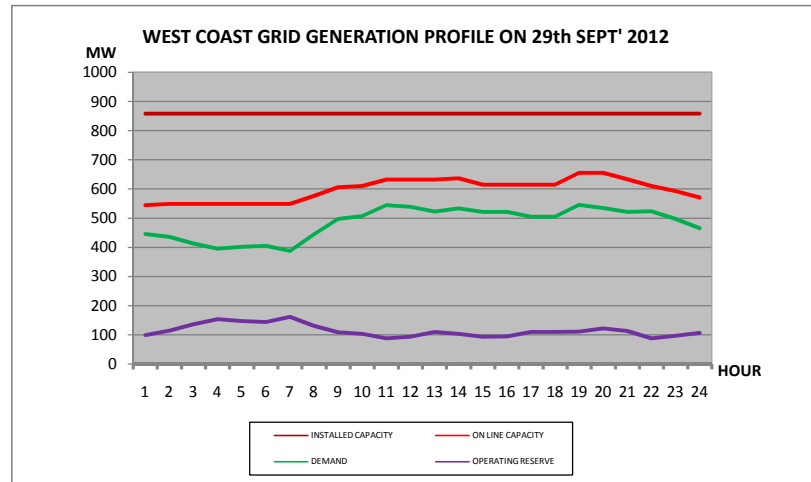
| EAST COAST GRID | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| 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 | | 141 | 121 | 121 | 121 | 121 | 121 | 104 | 104 | 196.3 | 211.3 | 212.9 | 211.3 | 211.3 | 211.3 | 211.3 | 211.3 | 211.3 | 260.3 | 260.3 | 260.3 | 260.3 | 230.3 | 207.3 | 204.5 |
| DEMAND | | 197.16 | 189.96 | 184.71 | 183.2 | 190.09 | 185.63 | 171.97 | 189.37 | 243.61 | 244.28 | 254.98 | 248.21 | 242.65 | 251.5 | 244.01 | 241.71 | 240.45 | 253.26 | 264.67 | 264.58 | 247.14 | 244.09 | 238.05 | 229.66 |
| OPERATING RESERVE | | -56.16 | -68.96 | -63.71 | -62.2 | -69.09 | -64.63 | -67.97 | -85.37 | -47.31 | -32.98 | -42.08 | -36.91 | -31.35 | -40.2 | -32.71 | -30.41 | -29.15 | 7.04 | -4.37 | -4.28 | 13.16 | -13.79 | -30.75 | -25.16 |
| East Cost | | 15589.4 | 14262.9 | 14304.8 | 14352.1 | 14550.7 | 14350.5 | 12214.6 | 12327.4 | 23487.1 | 26114.3 | 25808.4 | 24691.7 | 24907.4 | 25071.6 | 25693 | 25623 | 25288.2 | 29556.4 | 31275.1 | 30969.4 | 30363.4 | 28356.9 | 25859.1 | 25638.9 |

EAST COAST GRID OPERATION



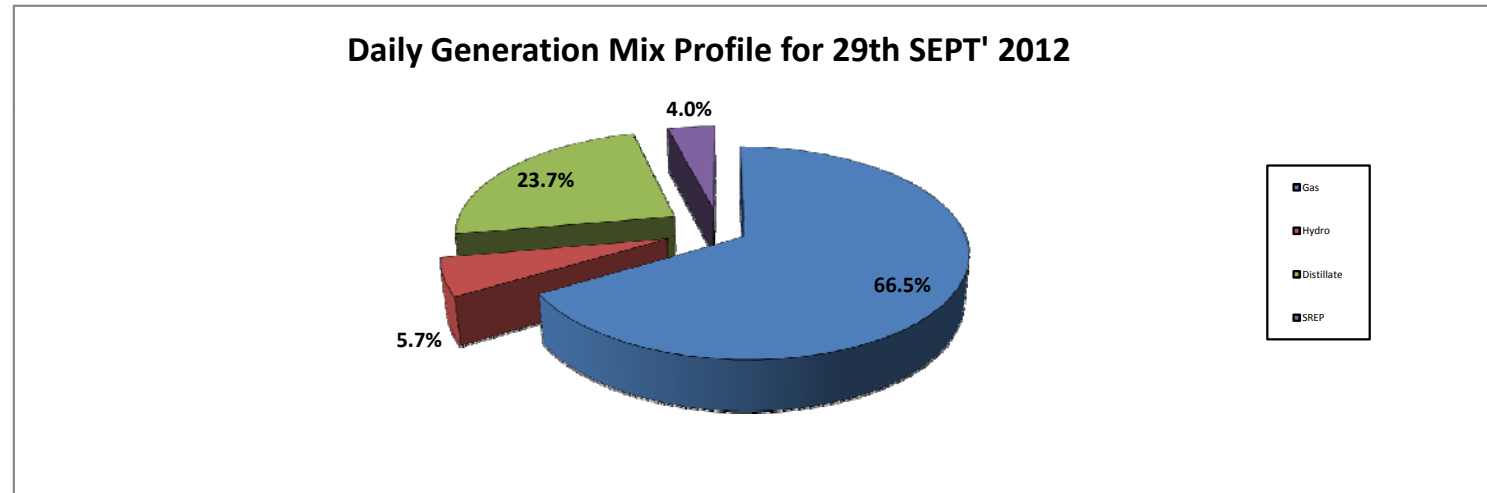
| WEST COAST GRID | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|--|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> | <u>5</u> | <u>6</u> | <u>7</u> | <u>8</u> | <u>9</u> | <u>10</u> | <u>11</u> | <u>12</u> | <u>13</u> | <u>14</u> | <u>15</u> | <u>16</u> | <u>17</u> | <u>18</u> | <u>19</u> | <u>20</u> | <u>21</u> | <u>22</u> | <u>23</u> | <u>24</u> |
| 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 | | 544.5 | 549 | 549 | 549 | 549 | 549 | 549 | 576 | 606.5 | 610 | 632 | 632 | 632 | 636.5 | 614.5 | 614.5 | 614.5 | 614.5 | 655.5 | 655.5 | 633.5 | 610.5 | 593 | 571 |
| DEMAND | | 445.5 | 435.3 | 413.2 | 395.2 | 401.6 | 404.8 | 387.5 | 444.9 | 497.4 | 506.6 | 543.8 | 538.9 | 522 | 533.6 | 521.6 | 520.7 | 504.9 | 505.1 | 545.2 | 533.9 | 520.6 | 522.8 | 496.8 | 464.9 |
| OPERATING RESERVE | | 99 | 113.7 | 135.8 | 153.8 | 147.4 | 144.2 | 161.5 | 131.1 | 109.1 | 103.4 | 88.2 | 93.1 | 110 | 102.9 | 92.9 | 93.8 | 109.6 | 109.4 | 110.3 | 121.6 | 112.9 | 87.7 | 96.2 | 106.1 |
| West Cost | | 36398.7 | 35611.3 | 33055.6 | 31648.3 | 32148.5 | 33407 | 31144.8 | 35539.6 | 37536 | 39743.4 | 43168.5 | 42736.3 | 41649.2 | 42600.1 | 43041.3 | 42961.6 | 41736.6 | 41836.6 | 44641.5 | 43894.8 | 42215.7 | 40919.7 | 37838.7 | 36628.6 |

WEST COAST GRID OPERATION



Generation Mix Profile for 29th September 2012

| | |
|------------|------------|
| Gas | 10,119 MWh |
| Hydro | 871 MWh |
| Distillate | 3,612 MWh |
| SREP | 615 MWh |



| | DISTILLATE | GAS | HYDRO | BIOMASS |
|--------------|---------------------|----------------------|-------------------|-------------------|
| SESB | 1,661.80 MWh | 1,270.40 MWh | 831.00 MWh | - MWh |
| IPP | 1,950.10 MWh | 8,848.40 MWh | 39.80 MWh | - MWh |
| SREP | - MWh | - MWh | - MWh | 614.80 MWh |
| TOTAL | 3,611.90 MWh | 10,118.80 MWh | 870.80 MWh | 614.80 MWh |

| | DISTILLATE | GAS | HYDRO | BIOMASS |
|----------------|-------------|-------------|-------------|-------------|
| SESB | 11% | 8% | 5% | 0% |
| IPP | 13% | 58% | 0% | 0% |
| SREP | 0% | 0% | 0% | 4% |
| TOTAL | 100% | 100% | 100% | 100% |
| TOTALLY | 15,216.30 | | | |

| | |
|--------------|------|
| DIST (IPP) | 13% |
| DIST (SESB) | 11% |
| SREP | 4% |
| GAS (SESB) | 8% |
| GAS (IPP) | 58% |
| HYDRO (SESB) | 5% |
| HYDRO (IPP) | 0% |
| total | 100% |

