

GRID SYSTEM OPERATION SUMMARY (SABAH)

| | FORECAST | ACTUAL | VARIANCE |
|--|-----------------|---------------|-----------------|
| Maximum Demand (16th OCT' 2012) | 800 MW | 810 MW | 1.29% |
| Maximum Energy (16th OCT' 2012) | 16.2 MW | 15.8 GWh | -2.47% |
| Maximum Demand (record high 28/06/11) | 800 MW | 830 MW | 3.76% |

Prepared by:

Electricity Market Operations

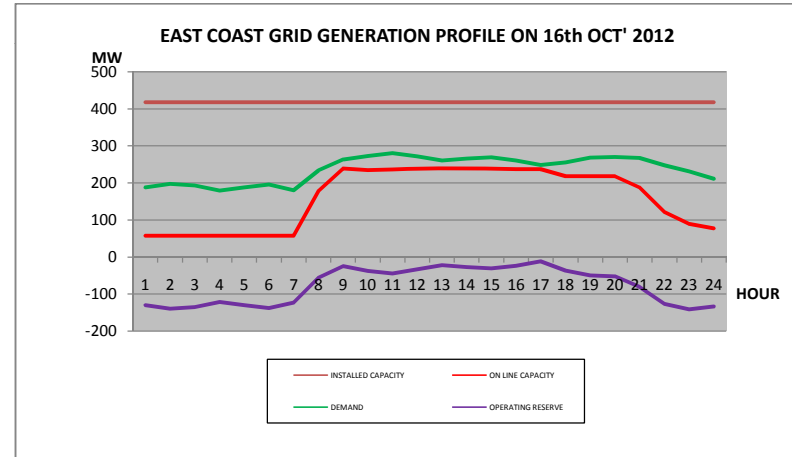
Electricity Supply & Market Regulations Dept.

Energy Commission Malaysia

18-Oct-12

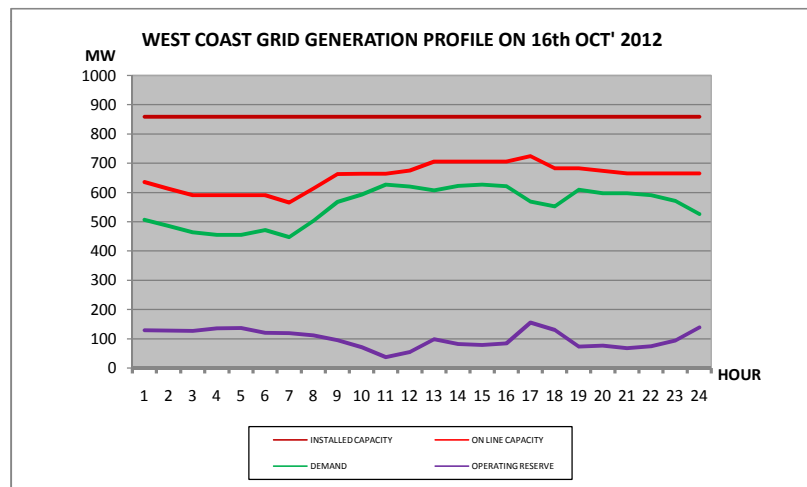
| EAST COAST GRID | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|--|---------|---------|---------|---------|--------|---------|---------|---------|---------|---------|--------|---------|---------|---------|---------|---------|---------|---------|---------|--------|---------|---------|---------|---------|
| 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 | | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 179 | 239.3 | 235.3 | 236.9 | 239.3 | 239.3 | 239.3 | 239.3 | 237.3 | 237.3 | 218.8 | 218.8 | 218.8 | 188 | 122 | 90 | 78 |
| DEMAND | | 187.98 | 197.46 | 193.19 | 179.53 | 188.1 | 195.62 | 180.75 | 234.24 | 263.75 | 272.94 | 281.06 | 272.2 | 260.87 | 266.07 | 269.74 | 261.24 | 248.78 | 255.48 | 268.52 | 270.98 | 268.34 | 248.42 | 231.36 | 211.86 |
| OPERATING RESERVE | | -129.98 | -139.46 | -135.19 | -121.53 | -130.1 | -137.62 | -122.75 | -55.24 | -24.45 | -37.64 | -44.16 | -32.9 | -21.57 | -26.77 | -30.44 | -23.94 | -11.48 | -36.68 | -49.72 | -52.18 | -80.34 | -126.42 | -141.36 | -133.86 |
| East Cost | | 8496.31 | 8778.99 | 8842.74 | 7270.5 | 8541.3 | 8742.09 | 8943.5 | 20303.4 | 25810.2 | 28596.7 | 27778 | 26878.1 | 26590.4 | 27611.8 | 27369.4 | 26767.2 | 25573.4 | 24850.1 | 24348.4 | 23603 | 21649.7 | 14540.7 | 10779.3 | 9491.6 |

EAST COAST GRID OPERATION



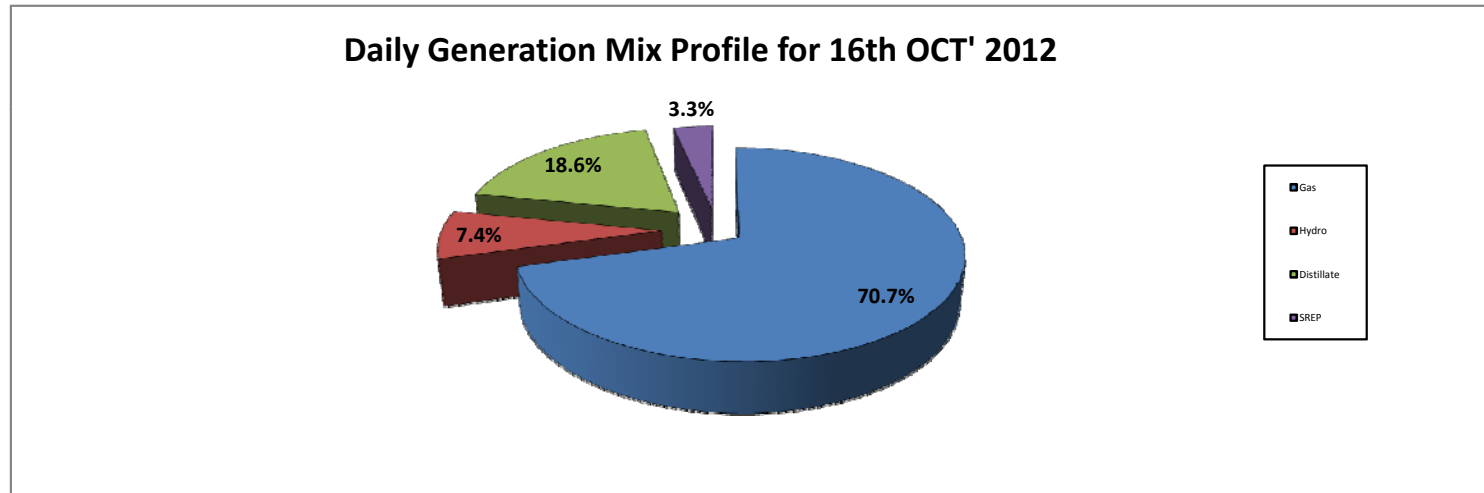
| WEST COAST GRID | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|--|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | <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 | | 635 | 613 | 591 | 591 | 591 | 591 | 565.5 | 614 | 663 | 664 | 664 | 675 | 705 | 705 | 705 | 705 | 724 | 682 | 682 | 674 | 665 | 665 | 665 | 665 |
| DEMAND | | 506.5 | 485.4 | 463.9 | 455.2 | 454.4 | 470.9 | 447.1 | 502.8 | 567.5 | 592.5 | 626.8 | 620 | 606.9 | 622.8 | 626.3 | 620.8 | 569.1 | 552.6 | 609.1 | 597.2 | 597.1 | 591 | 570.8 | 526.2 |
| OPERATING RESERVE | | 128.5 | 127.6 | 127.1 | 135.8 | 136.6 | 120.1 | 118.4 | 111.2 | 95.5 | 71.5 | 37.2 | 55 | 98.1 | 82.2 | 78.7 | 84.2 | 154.9 | 129.4 | 72.9 | 76.8 | 67.9 | 74 | 94.2 | 138.8 |
| West Cost | | 36222.2 | 35827.6 | 35646 | 35210 | 35023.5 | 36244.6 | 33984.8 | 36538.4 | 42361.4 | 44186.4 | 46113.8 | 46371.4 | 47035 | 48050.3 | 47831.1 | 47213.7 | 43591 | 41278.2 | 45074.5 | 43737.3 | 43424.9 | 42998.7 | 41417.7 | 40007.7 |

WEST COAST GRID OPERATION



Generation Mix Profile for 16th October 2012

| | |
|------------|------------|
| Gas | 11,522 MWh |
| Hydro | 1,203 MWh |
| Distillate | 3,025 MWh |
| SREP | 540 MWh |



| | DISTILLATE | GAS | HYDRO | BIOMASS |
|--------------|---------------------|----------------------|---------------------|-------------------|
| SESB | 1,387.80 MWh | 1,761.50 MWh | 1,161.00 MWh | - MWh |
| IPP | 1,636.70 MWh | 9,760.80 MWh | 41.50 MWh | - MWh |
| SREP | - MWh | - MWh | - MWh | 539.80 MWh |
| TOTAL | 3,024.50 MWh | 11,522.30 MWh | 1,202.50 MWh | 539.80 MWh |

| | DISTILLATE | GAS | HYDRO | BIOMASS |
|----------------|-------------|-------------|-------------|-------------|
| SESB | 9% | 11% | 7% | 0% |
| IPP | 10% | 60% | 0% | 0% |
| SREP | 0% | 0% | 0% | 3% |
| TOTAL | 100% | 100% | 100% | 100% |
| TOTALLY | 16,289.10 | | | |

| | |
|--------------|------|
| DIST (IPP) | 10% |
| DIST (SESB) | 9% |
| SREP | 3% |
| GAS (SESB) | 11% |
| GAS (IPP) | 60% |
| HYDRO (SESB) | 7% |
| HYDRO (IPP) | 0% |
| total | 100% |

