

GRID SYSTEM OPERATION SUMMARY (SABAH)

	FORECAST	ACTUAL	VARIANCE
Maximum Demand (1st JAN' 2013)	710 MW	680 MW	-4.18%
Maximum Energy (1st' JAN 2013)	14.7 MW	13.1 GWh	-10.88%
Maximum Demand (record high 28/06/11)	800 MW	830 MW	3.76%

Prepared by:

Electricity Market Operations

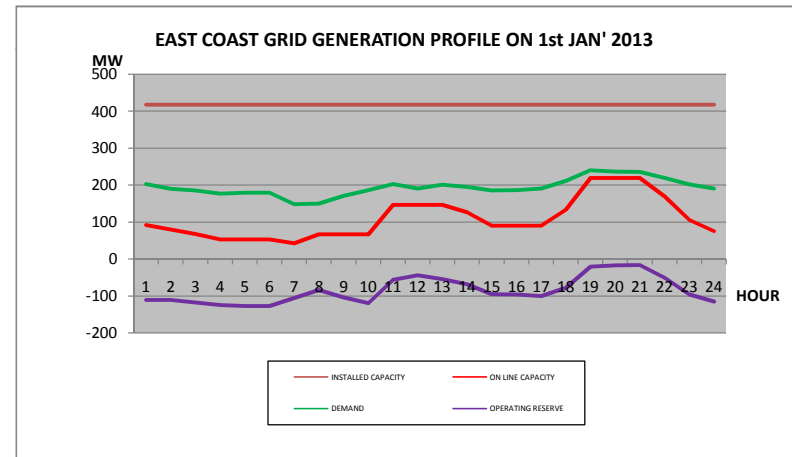
Electricity Supply & Market Regulations Dept.

Energy Commission Malaysia

11-Jan-13

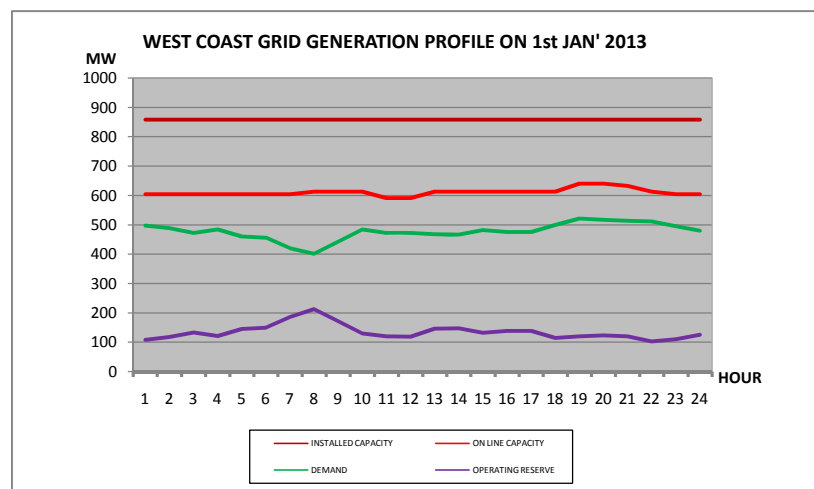
EAST COAST GRID																									
INSTALLED CAPACITY		417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9
ON LINE CAPACITY		92	80	68	53	53	53	43	67	67	67	147	147	147	127	91	91	91	134	219.5	219.5	219.5	169	106	76
DEMAND		202.76	190	185.4	177.07	179.49	179.81	148.6	150.62	170.9	186.44	202.69	190.9	201.25	194.98	185.82	186.51	191.08	211.66	239.91	236.74	235.66	219.35	201.66	190.95
OPERATING RESERVE		-110.76	-110	-117.4	-124.07	-126.49	-126.81	-105.6	-83.62	-103.9	-119.44	-55.69	-43.9	-54.25	-67.98	-94.82	-95.51	-100.08	-77.66	-20.41	-17.24	-16.16	-50.35	-95.66	-114.95
East Cost		10454.4	9193.53	8132.16	6631.48	7058.57	7141.14	4751.9	6980.13	7711.15	7249.25	14878.3	13889.4	15266.6	13833.7	9597.11	9414.74	9857.38	14713.3	23561.1	22986.1	23012.7	15969.9	10869	8151.86

EAST COAST GRID OPERATION



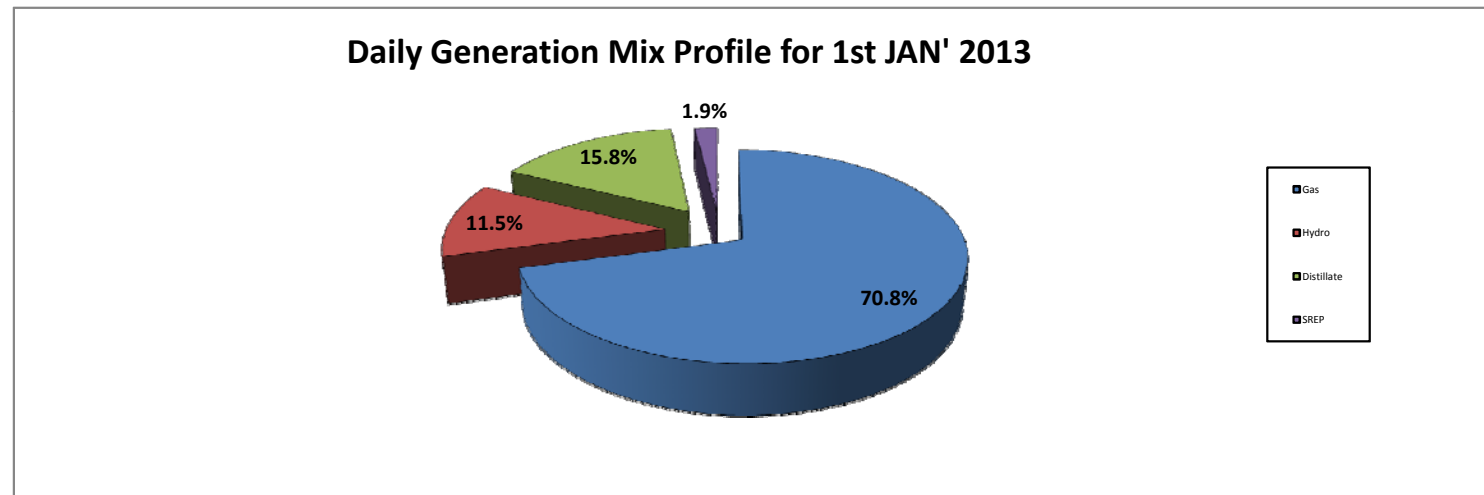
WEST COAST GRID																									
		<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>	<u>13</u>	<u>14</u>	<u>15</u>	<u>16</u>	<u>17</u>	<u>18</u>	<u>19</u>	<u>20</u>	<u>21</u>	<u>22</u>	<u>23</u>	<u>24</u>
INSTALLED CAPACITY		858.5	858.5	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		604.5	604.5	604.5	604.5	604.5	604.5	604.5	613	613	613	591	591	613	613	613	613	613	613	640	640	632	613	604.5	604.5
DEMAND		497.3	487.7	471.7	483.5	460.3	455.8	420	401.1	442.9	484.1	471.3	472.1	467.7	466.4	481.4	475	474.9	498.7	520.7	516.8	512.9	510.9	494.5	479.5
OPERATING RESERVE		107.2	116.8	132.8	121	144.2	148.7	184.5	211.9	170.1	128.9	119.7	118.9	145.3	146.6	131.6	138	138.1	114.3	119.3	123.2	119.1	102.1	110	125
West Cost		36820	36125.2	35066	34109.2	34095.1	33720.1	31124.9	32084	33435.9	36157.8	36720.1	36804.5	35090.4	34944.6	35932.8	35480.3	35898.8	38076.4	40948.5	40493.7	40040.8	38788.2	36850.6	36014

WEST COAST GRID OPERATION



Generation Mix Profile for 1st January 2013

Gas	9,545 MWh
Hydro	1,547 MWh
Distillate	2,124 MWh
SREP	257 MWh



	DISTILLATE	GAS	HYDRO	BIOMASS
SESB	616.10 MWh	1,789.10 MWh	1,439.00 MWh	- MWh
IPP	1,507.60 MWh	7,756.10 MWh	107.80 MWh	- MWh
SREP	- MWh	- MWh	- MWh	257.00 MWh
TOTAL	2,123.70 MWh	9,545.20 MWh	1,546.80 MWh	257.00 MWh

	DISTILLATE	GAS	HYDRO	BIOMASS
SESB	5%	13%	11%	0%
IPP	11%	58%	1%	0%
SREP	0%	0%	0%	2%
TOTAL	100%	100%	100%	100%
TOTALLY	13,472.70			

DIST (IPP)	11%
DIST (SESB)	5%
SREP	2%
GAS (SESB)	13%
GAS (IPP)	58%
HYDRO (SESB)	11%
HYDRO (IPP)	1%
total	100%

