

GRID SYSTEM OPERATION SUMMARY (SABAH)

	FORECAST	ACTUAL	VARIANCE
Maximum Demand (21st FEB' 2013)	810 MW	802 MW	-1.05%
Maximum Energy (21st FEB' 2013)	16.8 MW	15.5 GWh	-7.74%
Maximum Demand (record high 28/06/11)	800 MW	830 MW	3.76%

Prepared by:

Electricity Market Operations

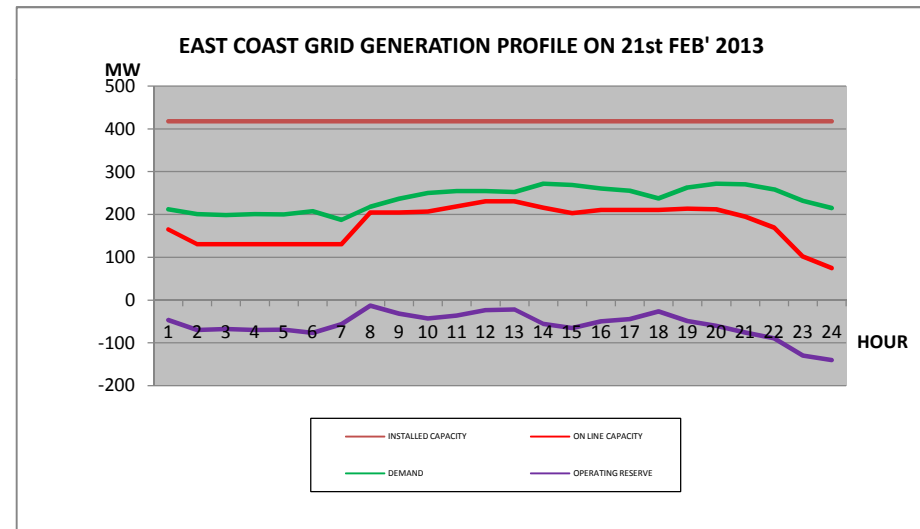
Electricity Supply & Market Regulations Dept.

Energy Commission Malaysia

27-Feb-13

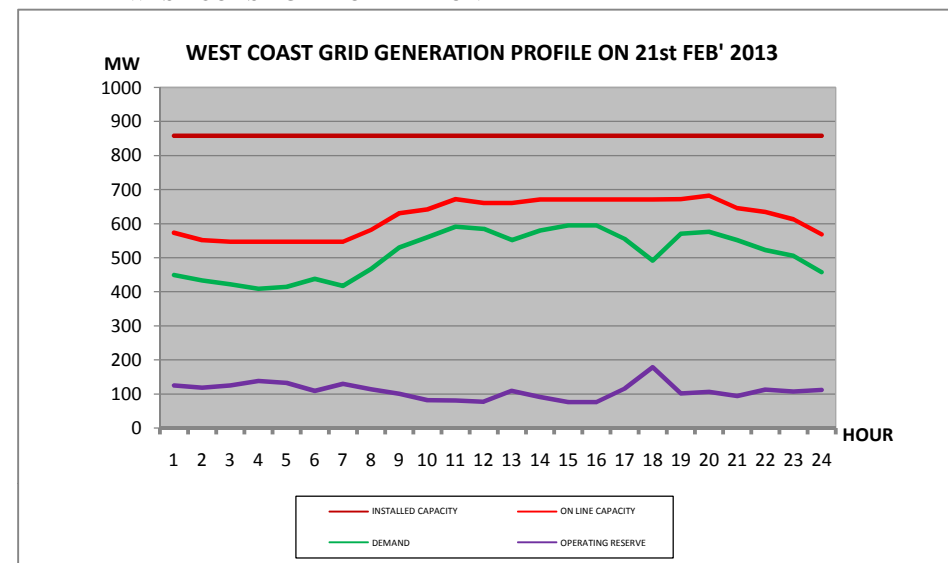
EAST COAST GRID																									
INSTALLED CAPACITY		417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	
ON LINE CAPACITY		164.5	130	130	130	130	130	130	204.5	204.5	206.5	218.5	230.5	230.5	215.5	202.5	210.5	210.5	213.5	211.5	194.5	169	101	74	
DEMAND		211.65	200.38	198.43	200.31	199.47	207.26	187.05	217.93	236.45	250.04	254.81	254.46	252.81	271.75	268.66	260.92	255.43	237.41	263.11	272.02	270.86	258.72	231.55	214.76
OPERATING RESERVE		-47.15	-70.38	-68.43	-70.31	-69.47	-77.26	-57.05	-13.43	-31.95	-43.54	-36.31	-23.96	-22.31	-56.25	-66.16	-50.42	-44.93	-26.91	-49.61	-60.52	-76.36	-89.72	-130.55	-140.76
East Cost		18123.9	14841.2	13667.7	14019.7	13654.5	13327.4	13332.9	22350	23450.1	23831.7	24650.1	25585.7	24896.2	26241.6	24575.5	24343.6	22380.9	22880.1	23735.8	22500.7	21339.8	18169.1	11904.6	9339.57

EAST COAST GRID OPERATION



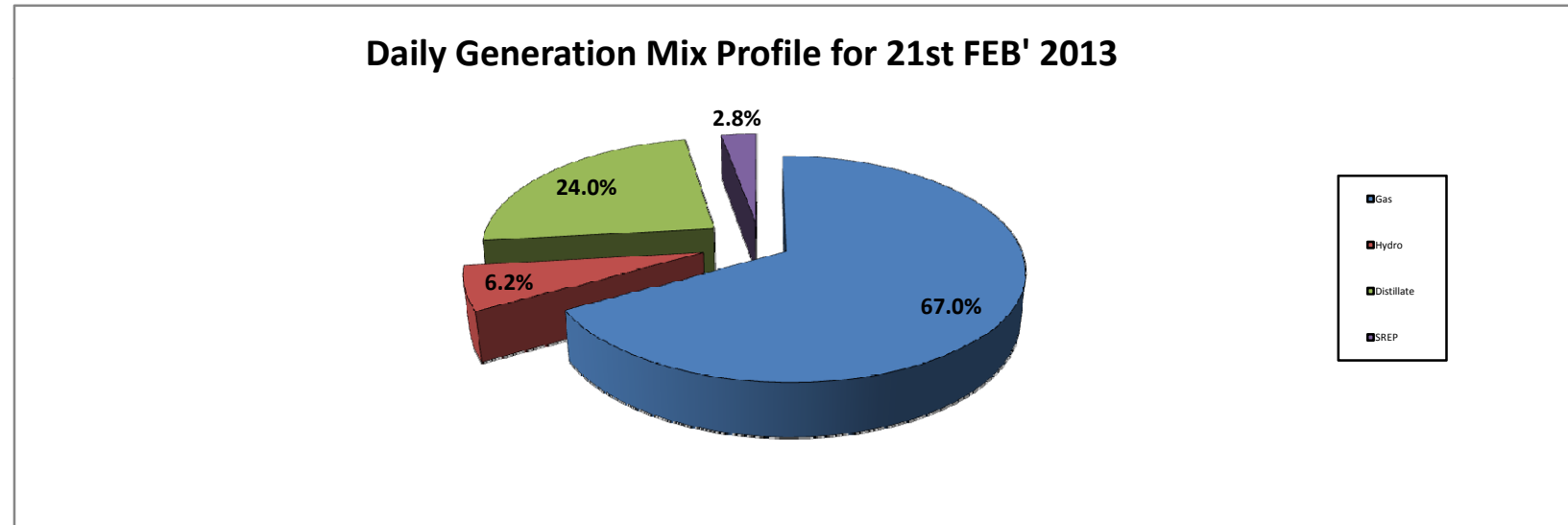
WEST COAST GRID																									
		<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>	<u>13</u>	<u>14</u>	<u>15</u>	<u>16</u>	<u>17</u>	<u>18</u>	<u>19</u>	<u>20</u>	<u>21</u>	<u>22</u>	<u>23</u>	<u>24</u>
INSTALLED CAPACITY		858.5	858.5	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		574	552	547.5	547.5	547.5	547.5	547.5	582	631.2	642.2	672.2	661.2	661.2	671.1	671.1	671.1	671.1	671.1	672.2	682.6	646	635	613	569.5
DEMAND		449.1	433.3	422.5	409.1	414.6	438.2	417.6	467.8	530.35	560.75	591.55	584.55	552.25	579.75	595.15	595.15	555.35	492.15	570.65	576.4	552.2	522.4	505.8	457.8
OPERATING RESERVE		124.9	118.7	125	138.4	132.9	109.3	129.9	114.2	100.85	81.45	80.65	76.65	108.95	91.35	75.95	75.95	115.75	178.95	101.55	106.2	93.8	112.6	107.2	111.7
West Cost		36694.5	36330.8	35182.5	34546.3	34999.5	36620.7	35166.7	38210.3	42877.5	44537	47948.1	47256.4	46034.2	48268.5	48312.4	48220.4	46141.1	41729.1	48012	48064.8	46583.7	44244.8	42358.4	37201.1

WEST COAST GRID OPERATION



Generation Mix Profile for 21st February 2013

Gas	10,726 MWh
Hydro	988 MWh
Distillate	3,836 MWh
SREP	453 MWh



	DISTILLATE	GAS	HYDRO	BIOMASS
SESB	1,661.30 MWh	2,131.40 MWh	905.00 MWh	- MWh
IPP	2,174.50 MWh	8,594.80 MWh	83.20 MWh	- MWh
SREP	- MWh	- MWh	- MWh	453.30 MWh
TOTAL	3,835.80 MWh	10,726.20 MWh	988.20 MWh	453.30 MWh

	DISTILLATE	GAS	HYDRO	BIOMASS
SESB	10%	13%	6%	0%
IPP	14%	54%	1%	0%
SREP	0%	0%	0%	3%
TOTAL	100%	100%	100%	100%
TOTALLY	16,003.50			

DIST (IPP)	14%
DIST (SESB)	10%
SREP	3%
GAS (SESB)	13%
GAS (IPP)	54%
HYDRO (SESB)	6%
HYDRO (IPP)	1%
total	100%

