

GRID SYSTEM OPERATION SUMMARY (SABAH)

	FORECAST	ACTUAL	VARIANCE
Maximum Demand (22nd JULY' 2013)	830 MW	802 MW	-3.40%
Maximum Energy (22nd JULY' 2013)	16.9 MW	15.6 GWh	-7.69%
Maximum Demand (record high 27 MARCH' 2013)	860 MW	867 MW	0.77%

Prepared by:

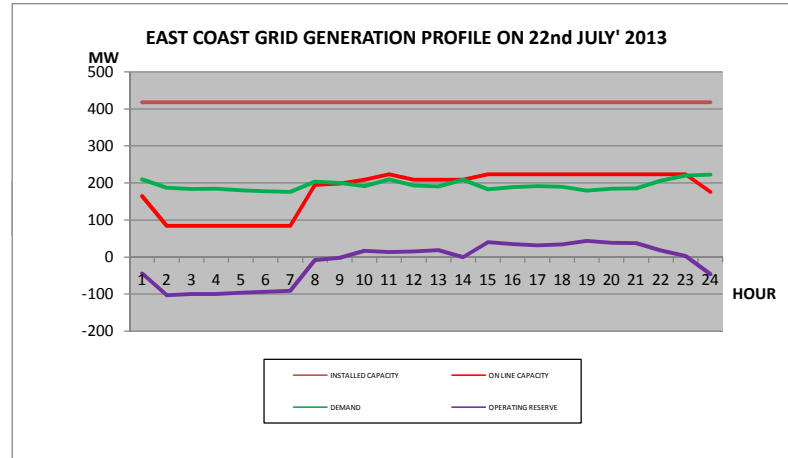
Electricity Market Operations

Electricity Supply & Market Regulations Dept.

Energy Commission Malaysia

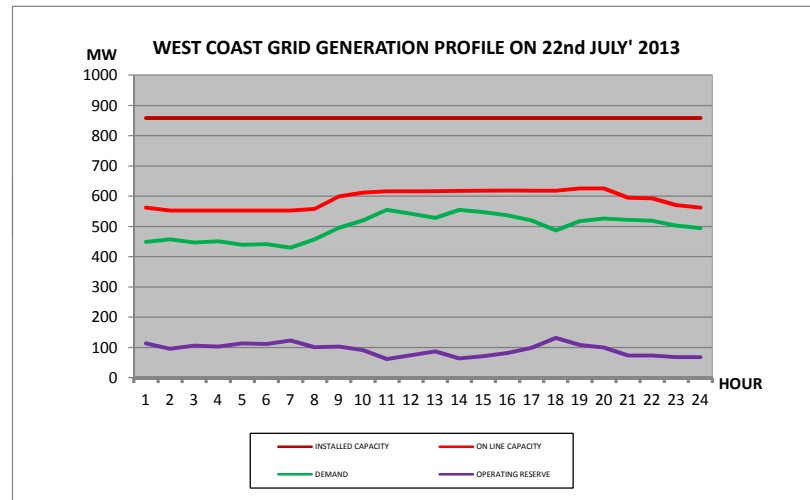
EAST COAST GRID																									
INSTALLED CAPACITY		417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9
ON LINE CAPACITY		165	84	84	84	84	84	84	195	198.5	208.5	223.5	208.5	208.5	208.5	223.5	223.5	223.5	223.5	223.5	223.5	223.5	223.5	223.5	176
DEMAND		209.5	187.12	184.02	184.23	180.25	178.04	175.61	203.51	200.45	191.22	209.92	193.32	190.22	209.12	183.1	188.69	191.85	189.62	179.67	184.84	185.72	205.97	220.24	222.26
OPERATING RESERVE		-44.5	-103.12	-100.02	-100.23	-96.25	-94.04	-91.61	-8.51	-1.95	17.28	13.58	15.18	18.28	-0.62	40.4	34.81	31.65	33.88	43.83	38.66	37.78	17.53	3.26	-46.26

EAST COAST GRID OPERATION



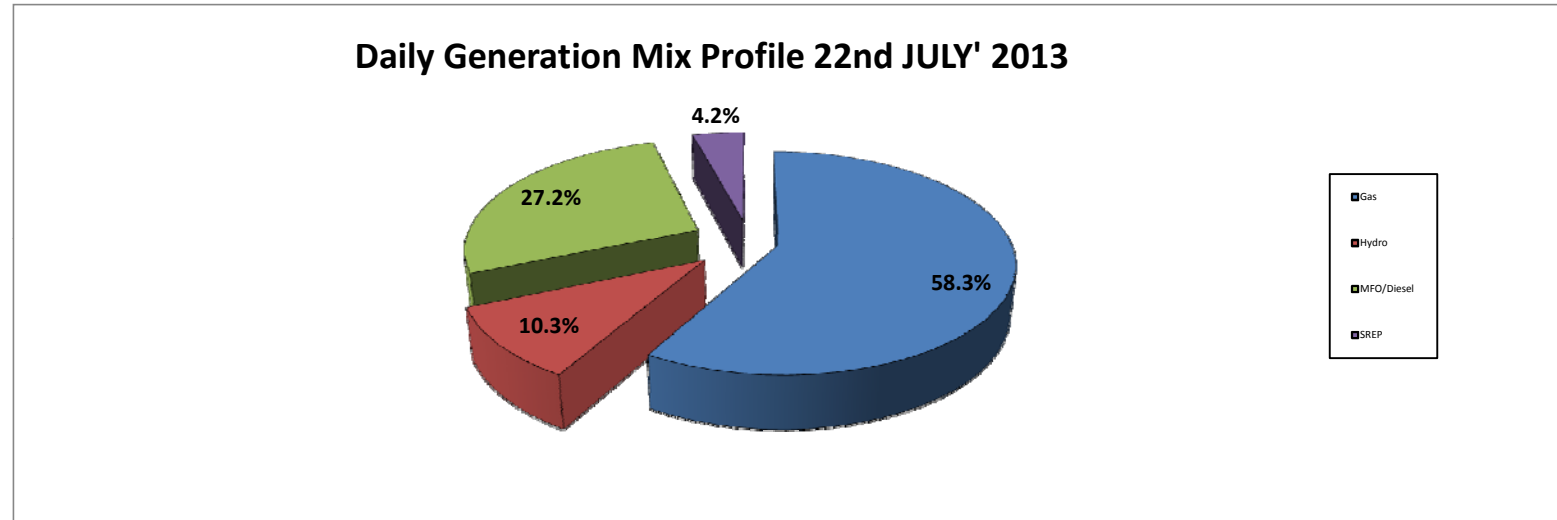
WEST COAST GRID																									
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
INSTALLED CAPACITY		858.5	858.5	858.5	858.5	858.5	858.5	858.5	858.5	858.5	858.5	858.5	858.5	858.5	858.5	858.5	858.5	858.5	858.5	858.5	858.5	858.5	858.5	858.5	858.5
ON LINE CAPACITY		562.5	553	553	553	553	553	553	558	599	611.6	616.1	616.1	616.1	618	618.6	618.6	618.6	618	626	626	595	592.5	570.5	562.5
DEMAND		449.1	457.3	446.8	450.6	439.1	441.7	430.1	457.1	495.8	520.15	554.85	541.65	528.65	554.8	547.85	536.55	520.15	487	517.5	526.4	521.7	519.1	502.7	494.3
OPERATING RESERVE		113.4	95.7	106.2	102.4	113.9	111.3	122.9	100.9	103.2	91.45	61.25	74.45	87.45	63.2	70.75	82.05	98.45	131	108.5	99.6	73.3	73.4	67.8	68.2

WEST COAST GRID OPERATION



Generation Mix Profile for 22nd JULY 2013

Gas	9,115 MWh
Hydro	1,614 MWh
MFO/Diesel	4,256 MWh
SREP	649 MWh



	MFO/DIESEL	GAS	HYDRO	BIOMASS
SESB	1,966.41 MWh	2,063.94 MWh	1,555.20 MWh	- MWh
IPP	2,289.19 MWh	7,051.26 MWh	59.15 MWh	- MWh
SREP	- MWh	- MWh	MWh	649.47 MWh
TOTAL	4,255.60 MWh	9,115.20 MWh	1,614.35 MWh	649.47 MWh

	MFO/DIESEL	GAS	HYDRO	BIOMASS
SESB	13%	13%	10%	0%
IPP	15%	45%	0%	0%
SREP	0%	0%	0%	4%
TOTAL	100%	100%	100%	100%
TOTALLY	15,634.61			

DIST (IPP)	15%
DIST (SESB)	13%
SREP	4%
GAS (SESB)	13%
GAS (IPP)	45%
HYDRO (SESB)	10%
HYDRO (IPP)	0%
total	100%

