

GRID SYSTEM OPERATION SUMMARY (SABAH)

	FORECAST	ACTUAL	VARIANCE
Maximum Demand (23rd NOV' 2012)	780 MW	798 MW	2.28%
Maximum Energy (23rd NOV' 2012)	15.8 MW	15.3 GWh	-3.16%
Maximum Demand (record high 28/06/11)	800 MW	830 MW	3.76%

Prepared by:

Electricity Market Operations

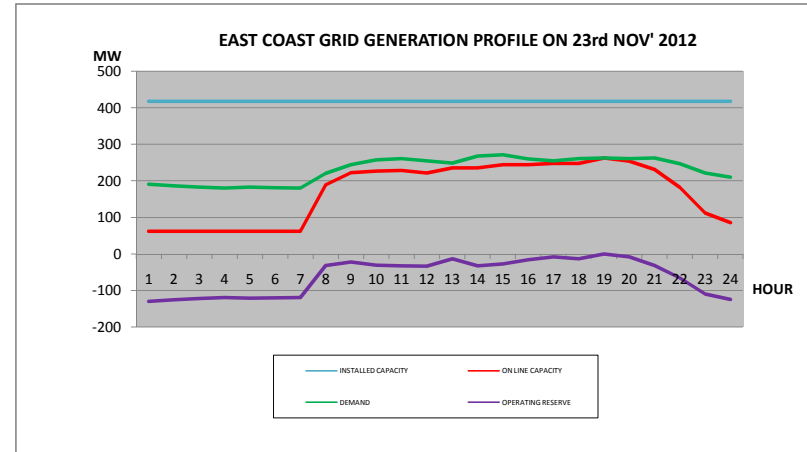
Electricity Supply & Market Regulations Dept.

Energy Commission Malaysia

29-Nov-12

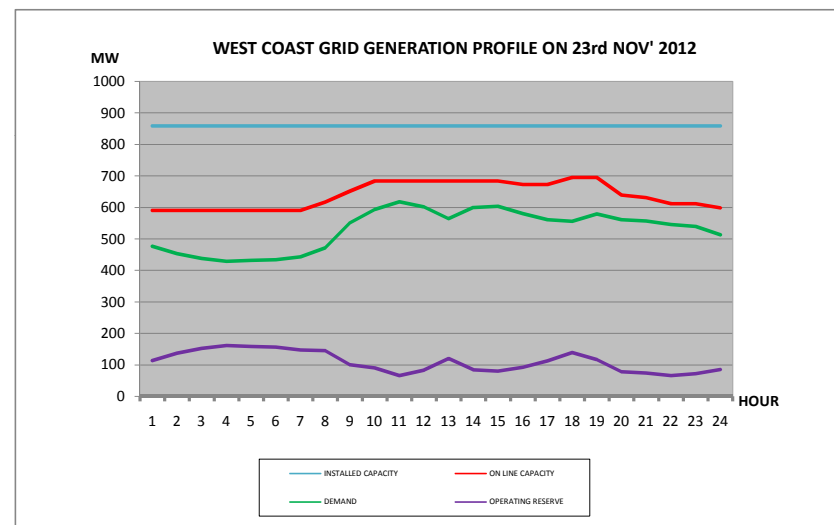
EAST COAST GRID																									
INSTALLED CAPACITY		417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	417.9	
ON LINE CAPACITY		62	62	62	62	62	62	189	222.5	226.8	228.8	221.8	235.8	235.8	244.8	244.8	247.8	247.8	262.8	253.8	230.8	182	112	86	
DEMAND		191.41	187.1	183.61	180.8	183.09	181.87	181.23	220.5	244.51	257.53	260.61	254.77	248.49	268.1	271.44	260.32	255.08	261.12	262.6	261.27	262.41	247.25	221.35	210.2
OPERATING RESERVE		-129.41	-125.1	-121.61	-118.8	-121.09	-119.87	-119.23	-31.5	-22.01	-30.73	-31.81	-32.97	-12.69	-32.3	-26.64	-15.52	-7.28	-13.32	0.2	-7.47	-31.61	-65.25	-109.35	-124.2
East Cost		8469.35	8423	8513.49	8591.36	8634.57	8702.28	8555.17	20384.6	25093.1	25897.3	26818	25882.4	28536.1	29361.4	30454.8	31190.4	27982.2	28707.6	28204.1	28046	25811.5	19994.8	13843.1	11413.8

EAST COAST GRID OPERATION



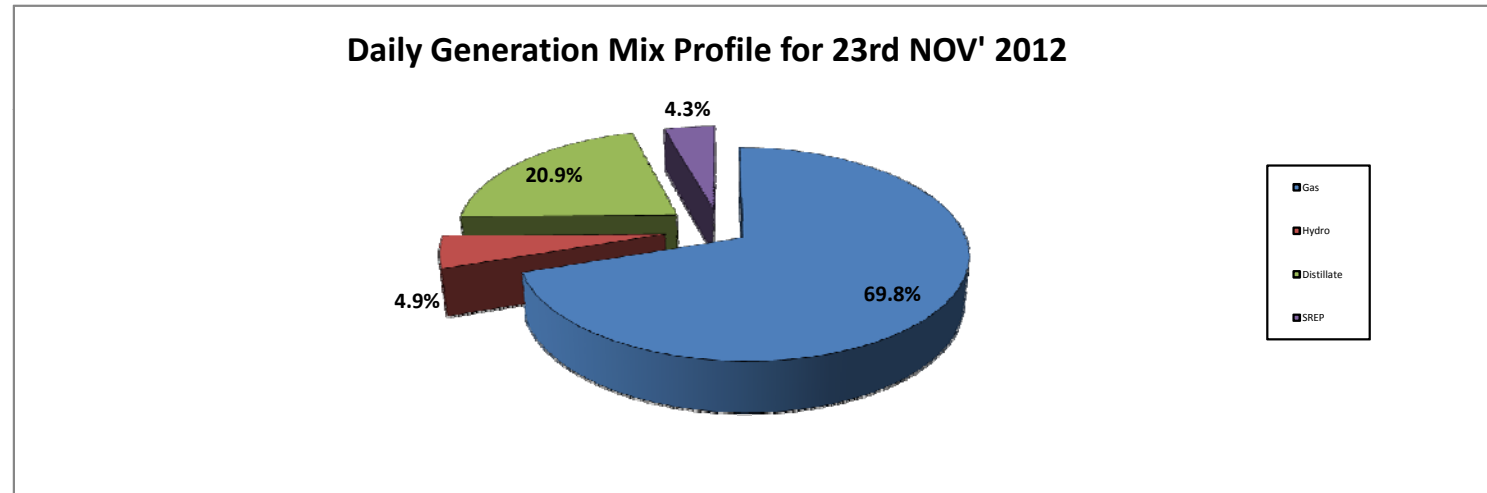
WEST COAST GRID																									
		<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>	<u>13</u>	<u>14</u>	<u>15</u>	<u>16</u>	<u>17</u>	<u>18</u>	<u>19</u>	<u>20</u>	<u>21</u>	<u>22</u>	<u>23</u>	<u>24</u>
INSTALLED CAPACITY		858.5	858.5	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		590.5	590.5	590.5	590.5	590.5	590.5	590.5	617	651	684	684	684	684	684	673	673	695	695	639	631	612	612	599	599
DEMAND		476.6	453.3	437.9	429	431.6	433.8	442.9	472	550.4	593.8	617.9	601.4	564.5	600.1	604.1	580.3	560.9	555.9	578.8	560.8	557.1	546.3	540.1	513.8
OPERATING RESERVE		113.9	137.2	152.6	161.5	158.9	156.7	147.6	145	100.6	90.2	66.1	82.6	119.5	83.9	79.9	92.7	112.1	139.1	116.2	78.2	73.9	65.7	71.9	85.2
West Cost		38123.3	36901.9	36128.7	35555.7	35821.1	35992.8	36360.6	37747.5	46008	50235.2	52167.9	50721.4	48369.3	51026.4	51370	49384.1	47954.8	46669.6	48158.7	47214.4	46385.6	44373.3	43870	41174.7

WEST COAST GRID OPERATION



Generation Mix Profile for 23rd November 2012

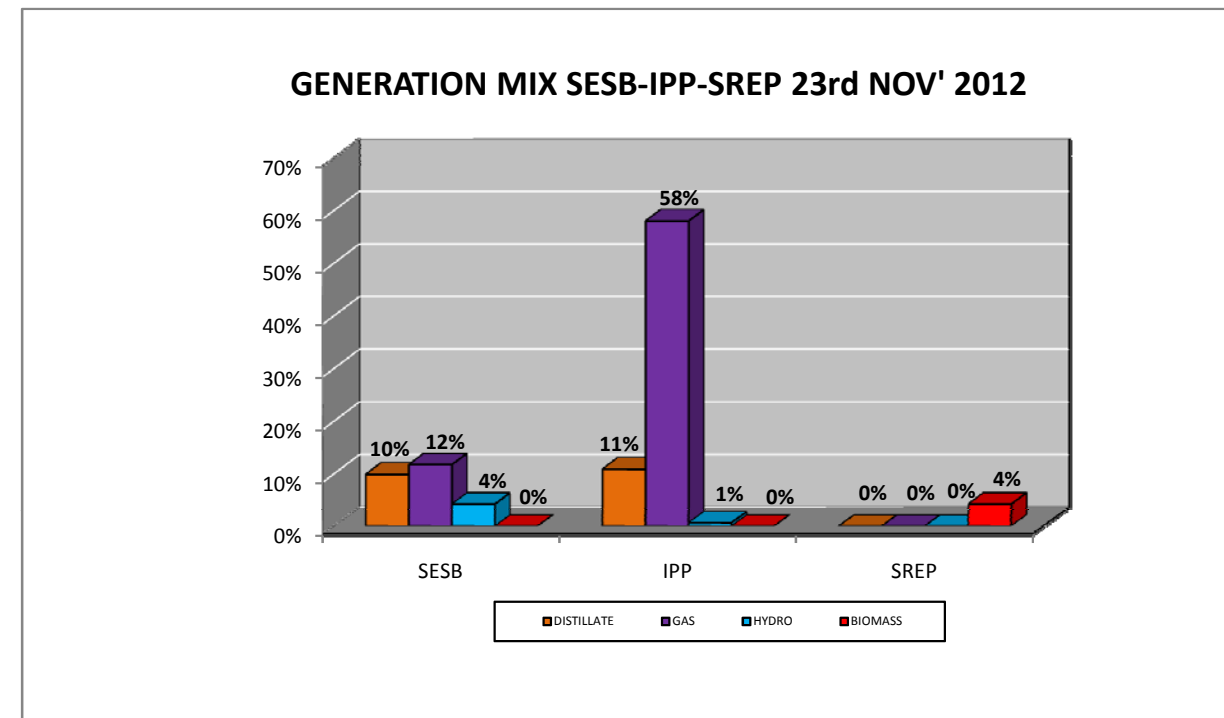
Gas	11,064 MWh
Hydro	783 MWh
Distillate	3,311 MWh
SREP	683 MWh



	DISTILLATE	GAS	HYDRO	BIOMASS
SESB	1,576.60 MWh	1,867.60 MWh	681.00 MWh	- MWh
IPP	1,734.60 MWh	9,196.20 MWh	102.40 MWh	- MWh
SREP	- MWh	- MWh	- MWh	683.10 MWh
TOTAL	3,311.20 MWh	11,063.80 MWh	783.40 MWh	683.10 MWh

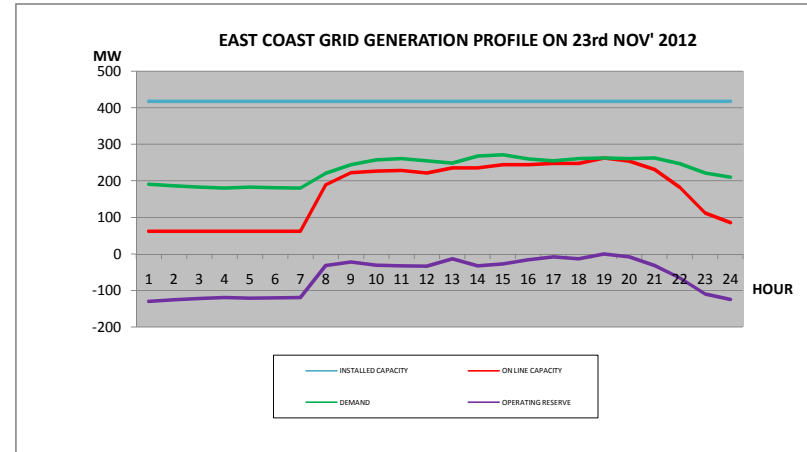
	DISTILLATE	GAS	HYDRO	BIOMASS
SESB	10%	12%	4%	0%
IPP	11%	58%	1%	0%
SREP	0%	0%	0%	4%
TOTAL	100%	100%	100%	100%
TOTALLY	15,841.50			

DIST (IPP)	11%
DIST (SESB)	10%
SREP	4%
GAS (SESB)	12%
GAS (IPP)	58%
HYDRO (SESB)	4%
HYDRO (IPP)	1%
total	100%



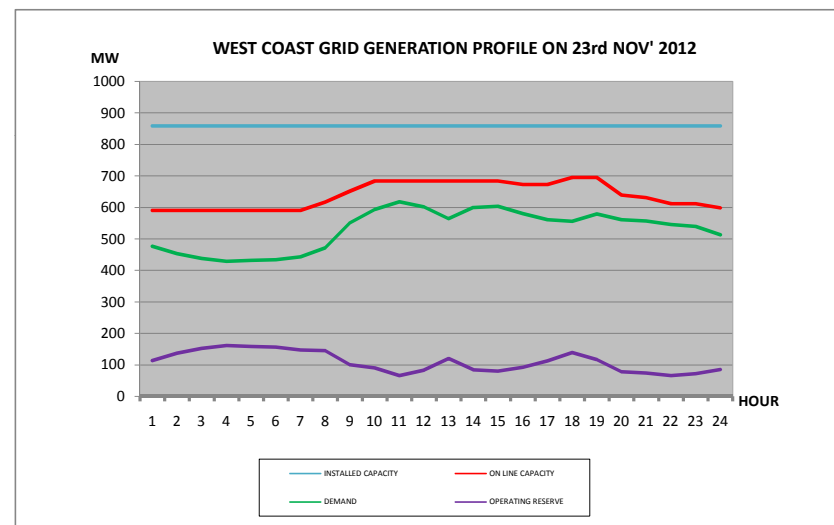
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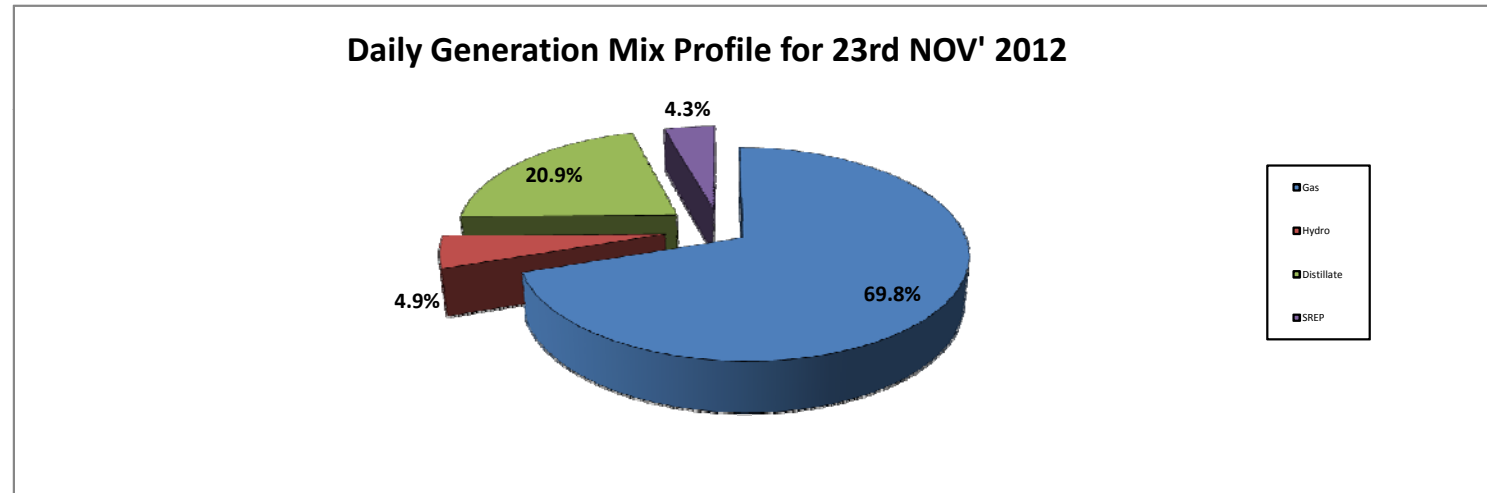
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