

Availability At Daily Maximum Demand Hour

ST-Coal	1,380	MW
ST-Gas	70	MW
ST-Oil	0	MW
Gas	3,600	MW
Hydro	1,861	MW
Distillate	0	MW
Total TNB	6,911	MW
Total IPP	10,695	MW
Total Co-Gen	75	MW
System Total	17,681	MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 16:00	
TNB Generation	5,511 MW
IPP Generation	9,578 MW
Total Set On Bus	16,084 MW
Maximum Demand	15,117 MW
Spinning Reserve	920 MW
Net Energy	311,545 MWH
Load Factor	85.9 %
Total Cost	RM
Cost per Unit	RM

Maximum Demand Record

Date :	13/05/2013	16,562.0 MW
Date :	25/06/2013	345,254.0 MWH

Hourly System MW Generation

	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
System Total	11655	11318	10868	10482	10326	10248	10316	10635	11342	13207	13971	14716	14715	14404	14889	15094	15118	14848	13787	13702	14446	14138	13646	13228

Gas Usage

Station	(mmscfd)
CBPS	57
GLGR	65
PAKA	157
PGPS	54
SRDG	32
TJGS	116
TNB Total	481
KLPP	105
MPSS	58
PDPS	32
PGLA	119
PKLG	46
PLPS	111
PTEK	20
SGB3	87
SGRI	225
SKSP	38
YPKA	120
IPP Total	962
Total Gas	1,443

Total Gas Required : 1,443
Gas Calorific Value : 38.500

Generation Mix

Type	MWh	Percentage
ST-Coal	32,988.00	10.59 %
Gas	59,457.00	19.08 %
Hydro	15,380.00	4.94 %
Total TNB	107,825.0	34.61 %
ST-Coal	80,352.0	25.79 %
ST-Gas	4,472.0	1.44 %
Gas	117,323.0	37.66 %
Total IPP	202,147.0	64.89 %
Co-Gen	1,882.0	0.60 %
Total Co-Gen	1,882.0	0.60 %
Total Generation	311,854.0	100.10 %
PLTG	-328.0	-0.11 %
HVDC	637.0	0.20 %
Interconnection	309.0	0.10 %
Net Energy	311,545.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	316
Hydro	175
Syncon	314
Thermal	111
Total	916

	Weather	Temperature
Morning	Sunny	25
Afternoon	Hot	35

Station	Unit	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300																										
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																										
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																										
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																										
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																										
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																										
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																										
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																										
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																										
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																										
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																										
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																										
TMGR	HY04	35	42	34	49	31	27	28	28	42	40	34	35	31	43	26	40	37	39	33	36	34	36	35	35																										
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5																										
UPIA	HY02	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5																										
Total Hydro		185	193	197	233	180	176	175	174	192	190	190	182	185	180	197	229	254	391	539	521	530	888	1160	1160	1154	711	657	742	872	1097	1099	1250	1175	841	1073	733	539	540	749	1289	1372	1345	1198	1131	983	749	672	249		
PCUF	CUFG	41	41	42	41	41	40	42	41	43	42	42	43	41	43	42	41	40	38	39	38	37	36	39	39	39	39	39	40	40	39	40	38	39	38	39	38	38	39	40	39	39	39	38	39	38	37	38			
PCUF	CUFK	39	40	41	40	40	40	39	39	39	40	38	38	39	40	42	41	40	41	41	41	40	39	38	38	37	38	38	37	38	38	37	37	37	37	39	38	40	39	38	35	37	38	37	38	38	37	38	38		
Total Co-Gen		80	81	83	81	81	80	81	80	82	82	80	80	82	81	85	83	82	82	81	79	79	77	75	74	76	77	77	76	78	78	76	77	75	76	77	77	78	77	77	75	76	77	76	76	77	75	75	76		
Total Gen		11597	11448	11224	11091	10896	10703	10515	10335	10331	10176	10215	10064	10294	10495	10596	10860	11387	12393	13195	13733	13980	14428	14770	14819	14784	14508	14441	14601	14807	15092	15122	15330	15165	14767	14911	14332	13826	13560	13730	14450	14460	14325	14149	13982	13682	13551	13227	12850		
TIE-EGAT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TIE-HVDC		-30	-30	-29	30	29	29	30	30	30	31	31	30	30	30	31	31	31	31	30	30	31	31	31	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	31	31	31	31	30	
TIE-PLTG		-28	4	-65	-187	-1	22	3	29	-25	-2	-64	2	-52	-46	-69	27	14	-70	-43	3	-21	17	23	-36	38	-6	7	-30	-112	-27	-2	114	16	-18	33	7	9	-12	-2	-6	-16	16	-19	-22	5	-22	-32	-10		
Interconnection		-58	-26	-94	-157	28	51	33	59	5	28	-33	33	-22	-16	-39	57	45	-39	-12	34	9	47	54	-5	69	25	37	0	-82	3	28	145	47	12	63	37	39	18	28	24	14	46	11	9	36	9	-1	20		
System Total		11655	11474	11318	11248	10868	10652	10482	10276	10326	10148	10248	10031	10316	10511	10635	10803	11342	12432	13207	13699	13971	14381	14716	14824	14715	14483	14404	14601	14889	15089	15094	15185	15118	14755	14848	14295	13787	13542	13702	14426	14446	14279	14138	13973	13646	13542	13228	12830		
SRev SI-Coal		133	142	138	110	156	140	142	145	147	143	125	136	134	97	80	126	140	121	135	134	140	149	135	136	127	136	143	139	140	136	146	11	111	105	104	167	127	104	124	130	155	127	137	135	139	143	75	106		
SRev SI-Gas		0	0	0	0	0	0	0	0	-17	-31	-37	-47	-47	31	33	34	37	39	11	-1	-1	-2	-1	-1	-1	-1	-1	-1	-2	-2	-2	-2	-2	-1	-1	-2	-2	-2	-2	0	0	0	0	0	0	0	0	0	0	
SRev CCGT-Gas		226	315	549	514	610	814	1000	1175	1197	1371	1362	1500	1577	1297	1493	1308	1184	653	271	399	197	208	252	277	340	280	254	254	259	263	290	304	315	335	414	330	375	416	445	211	251	333	231	263	291	172	267	241		
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	62	142	246	190	113	180	278	300	228	128	117	95	40	32	82	35	78	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev Co-Gen		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syncon		641	641	490	490	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	641	
Hydro		127	119	266	229	132	136	137	136	118	120	120	128	127	132	114	184	159	371	74	90	84	226	155	155	161	228	282	197	218	218	216	216	291	173	293	332	73	72	284	230	307	332	269	186	189	208	99	171		
S.Reserve Total		1127	1217	1443	1345	1539	1731	1920	2097	2103	2258	2217	2368	2232	2120	2359	2191	2142	1656	1144	1321	1187	1302	1053	1003	1130	1395	1452	1291	1066	1055	1068	741	919	1168	1017	1228	1250	1215	1476	894	885	964	960	1058	1093	1062	1066	1244		