

Availability At Daily Maximum Demand Hour

ST-Coal	1,380 MW
ST-Gas	70 MW
ST-Oil	0 MW
Gas	3,516 MW
Hydro	1,819 MW
Distillate	300 MW
Total TNB	7,085 MW
Total IPP	9,009 MW
Total Co-Gen	46 MW
System Total	16,140 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 14:30	
TNB Generation	6,064 MW
IPP Generation	8,612 MW
Total Set On Bus	15,655 MW
Maximum Demand	14,802 MW
Spinning Reserve	933 MW
Net Energy	310,176 MWH
Load Factor	87.3 %
Total Cost	63,696,415 RM
Cost per Unit	22.12 cents/kWH

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	12250	11540	11073	10755	10698	10429	10946	11012	11464	13254	13868	14576	14391	14010	14490	14798	14703	14355	13511	13521	14090	13904	13222	12854

Gas Usage

Station	(mmscfd)
CBPS	99
GLGR	65
PAKA	175
PGGS	2
SRDG	83
TJGS	114
TNB Total	539
KLPP	110
MPSS	60
PDPS	40
PGLA	119
PLPS	103
PTEK	20
SGB3	59
SGRI	143
SKSP	45
YPGS	66
YPKA	98

IPP Total	864
Total Gas	1,402

Total Gas Required :	1,582
Gas Calorific Value :	38.500

Alternate Fuel Usage

Station	(mmscfd)
KLPP	16
PGPS	52
PLPS	9
PTEK	9
SGB3	37
SGRI	57
Total	180

Generation Mix

Type	MWh	Percentage
ST-Coal	32,965.00	10.63 %
Gas	64,453.00	20.78 %
Hydro	21,145.00	6.82 %
Distillate	6,365.00	2.05 %
Total TNB	124,928.0	40.28 %
ST-Coal	56,904.0	18.35 %
Gas	110,933.0	35.76 %
Distillate	15,277.0	4.93 %
Total IPP	183,114.0	59.04 %
Co-Gen	1,165.0	0.38 %
Total Co-Gen	1,165.0	0.38 %
Total Generation	309,207.0	99.69 %
PLTG	-279.0	-0.09 %
HVDC	-690.0	-0.22 %
Interconnection	-969.0	-0.31 %
Net Energy	310,176.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	461
Hydro	244
Syncon	252
Thermal	6
Total	962

	Weather	Temperature
Morning	Sunny	28
Afternoon	Hot	32

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																														
YPKA	BLK1	251	263	275	275	276	276	274	274	276	275	275	274	274	274	274	272	272	274	274	273	273	283	283	291	270	281	281	276	276	275	275	269	269	272	272	273																		
YPKA	BLK2	267	279	291	291	293	293	292	292	293	291	291	290	290	290	288	288	290	290	288	288	294	294	297	273	283	283	279	279	277	277	272	272	274	274	275																			
PLPS	GT11	151	112	112	112	112	112	112	112	112	112	132	152	152	131	110	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150																			
PLPS	GT12	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																			
PLPS	GT13	140	110	0	0	0	0	0	0	0	0	0	0	0	0	73	157	152	144	139	141	159	141	141	140	140	140	140	140	139	141	135	138	138	138	138																			
PLPS	ST18	203	156	130	130	130	130	130	130	130	125	125	125	148	148	148	178	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203																			
SKSP	BLK1	294	350	310	335	164	0	0	0	0	0	0	0	0	14	214	347	346	343	344	347	344	347	338	343	339	339	336	328	334	331	312	328	337	299	335	315																		
TJGS	GT2A	231	231	229	231	229	229	229	230	230	230	230	230	230	230	228	228	226	226	226	226	224	224	221	224	224	224	224	224	224	224	227	225	225	225	224	225																		
TJGS	GT2B	224	225	225	227	224	226	226	227	227	226	226	226	226	226	226	226	226	226	226	226	224	224	221	224	224	224	224	224	224	227	225	225	225	224	225	224																		
TJGS	ST2C	266	266	266	266	266	266	266	266	266	266	266	266	266	266	266	266	266	266	266	266	266	266	266	266	266	266	266	266	266	266	266	266	266	266	266	266																		
Total CCGT-Gas		6500	6283	6096	6138	5992	5834	5724	5606	5498	5587	5623	5631	5835	6079	6069	6148	6536	7178	7373	7372	7414	7405	7406	7421	7403	7416	7401	7385	7374	7381	7360	7344	7365	7392	7379	7356	7126	7055	7141	7242	7173	7138	7177	7122	6993	7226	7148	7167						
CBPS	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	86	118	120	116	120	121	118	119	120	121	121	121	121	119	120	120	117	79	77	78	79	78	78	76	77	0	0	0	0	0	0	0							
CBPS	GT04	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						
CBPS	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	113	119	123	123	123	120	122	122	123	124	122	123	122	122	120	79	77	77	77	75	75	0	0	0	0	0	0	0	0	0	0	0	0	0					
CBPS	GT06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	92	122	123	120	77	78	78	123	125	123	123	122	123	120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
PDPS	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	112	66	67	83	82	72	65	69	72	76	90	96	80	75	92	83	74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
PDPS	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	102	66	81	81	71	68	67	71	75	89	96	79	72	92	83	67	83	75	70	84	96	86	75	0	0	0	0	0	0	0	0	0	0	0	0				
PDPS	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	116	91	92	81	69	71	82	86	91	101	89	78	92	84	74	83	78	73	86	97	88	82	92	0	0	0	0	0	0	0	0	0	0	0	0				
PDPS	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	76	85	82	72	67	69	72	76	87	99	79	73	89	93	68	88	71	73	95	101	84	79	91	70	0	0	0	0	0	0	0	0	0	0					
PGGS	GT6B	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					
PTEK	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	69	70	101	91	77	68	68	74	85	83	103	68	59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PTEK	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	113	76	101	92	80	75	74	79	86	70	72	71	67	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PTEK	GT2B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	102	101	99	100	100	99	70	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
SRDG	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	106	104	104	104	102	102	101	101	100	101	101	102	102	102	102	102	103	104	71	71	99	99	98	98	98	98	98	0	0	0	0	0	0	0	0			
SRDG	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	71	71	85	87	75	72	71	72	82	80	100	88	73	83	100	71	99	72	73	87	100	77	72	84	71	71	82	0	0	0	0	0	0	0	0			
SRDG	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	124	88	89	89	102	124	104	88	89	124	124	126	126	124	124	122	127	125	90	89	125	126	124	124	114	114	114	0	0	0	0	0	0	0	0	0	0		
SRDG	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	95	95	106	106	106	106	106	0	0	0	0	0	0		
SRDG	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	126	126	127	126	118	90	90	125	125	125	126	126	127	126	127	127	127	89	90	128	129	130	130	130	128	0	0	0	0	0	0	0	0	0	0				
Total CCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	73	643	950	1206	1383	1511	1568	1484	1405	1443	1558	1600	1610	1517	1508	1520	1456	1350	1057	991	870	933	1086	1029	983	877	599	411	82	0	0	0	0	0	0	0			
BSIA	HY01	20	20	21	21	15	13	12	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	21	22	22	22	22	22	21	21	21	22	22	21	21	11	11	11	11	11	11	11	11	11	11	12	12	12	12					
BSIA	HY02	21	22	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			
BSIA	HY03	22	23	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			
CEND	HY02	6	7	7	7	7	7	7	7	7	7	7	7	7	6	7	7	7	7	7	7	7	7	10	10	10	9	10	9	10	10	10	9	10	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9		
CEND	HY03	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9		
CEND	HY04	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7			
KNRG	HY01	20	27	23	23	26	26	23	28	26	24	23	26	26</																																									

