

Availability At Daily Maximum Demand Hour

ST-Coal	1,680 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,016 MW
Hydro	1,745 MW
Distillate	0 MW
Total TNB	7,441 MW
Total IPP	10,949 MW
Total Co-Gen	41 MW
System Total	18,431 MW

Set On Bus, TNB, IPP And MD

At Daily Maximum Demand Hour : 15:30

TNB Generation	5,881 MW
IPP Generation	10,283 MW
Total Set On Bus	16,914 MW
Maximum Demand	16,221 MW
Spinning Reserve	709 MW
Net Energy	335,496 MWH
Load Factor	86.2 %
Total Cost	58,162,587 RM
Cost per Unit	17.86 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	13106	12541	12128	11664	11459	11308	11583	11550	12206	13974	15025	15679	15662	15339	15899	16192	16212	15641	14520	14325	15167	15129	14601	14114

Gas Usage

Station	(mmscfd)
CBPS	54
GLGR	65
PAKA	135
PGPS	40
SRDG	14
TJGS	217
TNB Total	525
KLPP	104
MPSS	53
PDPS	12
PGLA	93
PKLG	16
PLPS	96
PTEK	9
SGB3	82
SGRI	94
SKSP	52
YPGS	67
YPKA	129
IPP Total	804
Total Gas	1,329

Total Gas Required : 1,405
Gas Calorific Value : 38.500

Alternate Fuel Usage

Station	(mmscfd)
PKLG	76
Total	76

Generation Mix

Type	MWh	Percentage
ST-Coal	39,524.00	11.78 %
Gas	68,943.00	20.55 %
Hydro	9,216.00	2.75 %
Total TNB	117,683.0	35.08 %
ST-Coal	104,712.0	31.21 %
ST-Gas	1,515.0	0.45 %
ST-Oil	7,317.0	2.18 %
Gas	102,439.0	30.53 %
Total IPP	215,983.0	64.38 %
Co-Gen	1,190.0	0.35 %
Total Co-Gen	1,190.0	0.35 %
Total Generation	334,856.0	99.81 %
PLTG	57.0	0.02 %
HVDC	-697.0	-0.21 %
Interconnection	-640.0	-0.19 %
Net Energy	335,496.0	100.00 %

Average SR During Peak Hour

Type	MW
GT	378
Hydro	214
Syncon	475
Thermal	87
Total	1154

	Weather	Temperature
Morning	Sunny	23
Afternoon	Hot	30

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	
SGB3	GT32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SGB3	GT33	114	120	121	115	114	114	114	116	117	113	115	114	115	115	110	111	116	120	120	120	140	140	140	140	140
SGB3	ST34	65	69	66	66	65	65	66	66	64	64	65	65	67	67	66	66	68	107	142	212	214	221	221	221	221
SGRI	GT11	138	108	106	107	107	107	107	58	58	57	57	58	57	57	106	135	107	140	139	139	139	138	138	136	136
SGRI	GT12	26	0	0	0	0	0	0	0	0	0	0	0	0	0	109	113	140	140	140	139	139	138	138	136	136
SGRI	GT13	137	109	107	107	107	107	108	59	56	57	57	58	57	57	72	134	107	139	139	139	138	138	138	137	137
SGRI	ST14	194	132	133	132	132	133	131	131	88	91	90	91	89	92	97	112	184	194	218	219	217	216	216	215	215
YPGS	GT11	120	123	123	122	123	123	122	122	122	120	122	122	122	122	122	119	123	124	123	121	121	121	121	115	118
YPGS	GT12	125	131	131	131	131	132	132	132	132	132	132	132	128	135	131	128	127	127	128	128	128	125	125	126	126
YPGS	ST10	134	137	137	137	137	137	137	137	137	137	137	137	137	136	136	136	137	138	138	138	138	138	137	136	136
YPKA	BLK1	361	369	369	369	369	370	370	370	370	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372
YPKA	BLK2	371	378	378	378	378	378	378	378	380	380	380	380	380	378	378	374	374	372	372	372	372	371	371	370	369
PLPS	GT11	151	150	148	151	67	65	66	66	65	66	65	65	66	65	114	113	127	128	128	128	129	128	129	127	147
PLPS	GT12	147	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	147	146	146	148	65	64	64	64	63	64	64	63	64	64	109	111	123	124	125	125	125	123	125	126	124
PLPS	ST18	217	148	148	148	96	91	91	90	91	91	91	90	96	95	95	164	197	210	211	211	211	211	211	211	211
SKSP	BLK1	213	243	213	213	242	221	212	246	224	231	213	213	251	347	224	213	211	272	229	219	228	342	339	336	235
TJGS	GT1A	224	224	224	224	224	192	154	161	161	161	161	197	184	161	217	225	225	225	221	221	224	224	221	221	221
TJGS	GT1B	216	216	216	216	216	179	142	149	149	149	149	185	175	147	210	217	214	214	214	214	214	214	214	210	210
TJGS	ST1C	255	255	255	255	255	223	207	202	199	199	196	224	224	196	238	256	256	256	256	256	256	256	256	256	256
TJGS	GT2A	228	204	212	188	219	200	209	223	224	214	189	198	218	223	189	188	188	209	198	220	223	225	223	223	225
TJGS	GT2B	223	198	206	182	214	194	205	217	217	210	184	194	213	218	181	183	183	204	192	215	218	218	216	216	216
TJGS	ST2C	265	257	250	242	255	249	255	261	261	246	240	244	261	241	239	239	261	244	251	260	265	265	265	265	265
Total CCGT-Gas		6886	6374	6192	5916	5642	5386	5217	5201	5015	4995	4880	4926	5107	5318	4975	4889	5402	6414	7119	7677	7863	8143	8137	8124	7998
CBPS	GT05	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
PDPS	GT01	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
PDPS	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
PIEK	GT1B	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	GT02	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	GT03	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
Total OCGT-Gas		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	HY01	15	15	15	15	15	15	15	15	15	15	15	15	15	14	14	14	14	14	14	14	21	21	20	14	14
BSIA	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	0
BSIA	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	0
CEND	HY02	8	8	8	8	8	8	8	8	8	8	8	8	8	8	7	8	8	8	8	8	8	8	8	8	8
CEND	HY03	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
KNRG	HY01	20	21	22	21	22	22	22	22	23	21	22	23	23	21	20	20	22	23	22	24	22	23	24	22	25
KNYR	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	0
KNYR	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	-1
KNYR	HY03	53	59	59	57	59	59	60	61	59	60	56	58	63	62	58	55	54	59	61	60	62	59	101	101	89
LPIA	HY02	18	18	18	18	18	18	18	18	18	18	18	18	18	21	21	21	21	21	21	26	27	21	25	25	25
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
PGAU	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	0
PGAU	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	0
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
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	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	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	0

