

Availability at Daily Maximum Demand Hour

ST-Coal	1,290 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,627 MW
Hydro	1,946 MW
Distillate	0 MW
Total TNB	6,863 MW
Total IPP	9,952 MW
Total Co-Gen	1 MW
Total System	17,386 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	44,806	13.71 %
Gas	69,409	21.23 %
Hydro	14,633	4.48 %
Total TNB	128,848	39.42 %
ST-Coal	120,313	36.81 %
Gas	76,829	23.50 %
Total IPP	197,142	60.31 %
Co-Gen	8	0.00 %
Total Co-Gen	8	0.00 %
Total Generation	325,998	99.73 %
PLTG	170	0.05 %
EGAT	-33	-0.01 %
HVDC	-1,018	-0.31 %
Interconnection	-881	-0.27 %
Net Energy	326,879	100.00 %

Maximum Demand Record

Date: 6/11/2014	16,901 MW
Date: 6/24/2014	355,911 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	15:30:00 Hour
Total Set On Bus	16,810 MW
TNB Generation	5,941 MW
IPP Generation	9,260 MW
Spinning Reserve	1,609 MW
Maximum Demand	15,374 MW
Net Energy	326,879 MWH
Load Factor	88.59 %

Fuel Cost

Total Cost:	44,244,946.10 RM
Cost per Unit	14.21 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	555
Hydro	375
Syncon	375
Thermal	56
Total	1,361

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
CBPS	21
CBPS	47
GLGR	54
NPRI	17
PAKA	147
PGGS	11
SRDG	22
TJGS	218
Total TNB	538

KLPP	107
MPSS	57
PDPS	29
PKLG	22
PLPS	106
PTEK	28
SGB3	52
SGRI	176
SKSP	56
Total IPP	633
Total Gas	1,170

Total Gas Required 1,170

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Hourly System MW Generation

	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
System Total	13107	12546	12018	11815	11537	11373	11581	11486	12001	13718	14629	15206	15051	14547	14888	15361	15362	15003	14209	14498	14726	14483	13944	13495

Daily MW Generation on Friday

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
SCB3	GT31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCB3	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
SCB3	GT33	113	113	112	112	112	112	112	112	112	112	111	111	111	113	113	115	112	112	112	108	114	114	114	114
SCB3	ST34	60	60	59	59	60	60	60	59	59	59	59	59	60	60	64	64	65	65	66	66	66	66	66	66
SGRI	GT11	63	63	64	64	64	64	64	63	63	64	64	63	115	105	106	139	139	140	140	127	138	135	129	131
SGRI	GT12	0	0	0	0	0	0	0	0	0	0	0	0	29	54	151	152	130	137	140	131	136	111	126	
SGRI	GT13	68	63	63	63	63	62	62	63	63	63	63	107	108	107	138	138	139	139	126	134	134	127	131	
SGRI	ST14	124	97	94	94	96	98	95	96	96	95	94	94	96	127	131	140	158	168	220	218	208	220	219	
SGRI	GT21	0	0	0	0	0	0	0	0	0	0	0	0	56	131	131	130	130	130	127	127	127	128	128	
SGRI	GT22	67	67	65	65	65	65	65	65	65	66	66	65	111	111	111	115	133	135	135	134	134	134	134	
SGRI	GT23	68	60	60	60	60	60	60	60	60	60	60	104	110	108	116	140	140	140	139	137	137	137	137	
SGRI	ST24	120	98	101	98	98	98	100	99	98	98	98	100	121	131	138	144	155	221	217	221	221	215	218	
SKSP	BLK1	303	348	347	326	346	294	345	243	234	213	213	228	255	241	211	213	258	274	348	347	347	348	346	
TJGS	GT1A	223	226	226	225	225	225	224	207	193	196	205	212	197	197	197	222	225	212	222	222	226	226	222	
TJGS	GT1B	217	217	217	217	217	218	216	193	184	185	198	213	186	184	184	216	213	200	216	216	216	216	216	
TJGS	ST1C	258	258	258	258	258	255	255	235	229	226	226	234	236	225	225	246	249	234	256	256	256	256	256	
TJGS	GT2A	222	222	222	222	219	219	220	216	198	190	192	201	216	191	189	189	216	223	222	223	224	221	221	
TJGS	GT2B	222	222	222	222	209	218	215	194	185	188	200	212	186	185	185	213	219	222	222	225	222	222	222	
TJGS	ST2C	261	261	261	261	261	261	259	243	243	240	240	249	243	242	242	259	257	245	264	264	264	264	264	
Total CCGT-Gas		5487	5359	5045	4763	4654	4561	4358	4221	4098	4026	4033	4093	4201	4312	4262	4255	4632	5316	5889	5989	6065	6179	6187	
CBPS	GT03	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	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	0	0	0	0	0	0	0	
PDPS	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	86	104	76	90	73	76	76	70	
PDPS	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	74	89	72	75	74	70		
PDPS	GT03	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	
PGGS	GT6A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	100	100	99	100	100	100	100	
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	
PKLG	GT08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	88	90	71	74	81	69		
PKLG	GT09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	76	100	75	93	72	76	76		
PTEK	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	93	104	104	103	103	103	103	
PTEK	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PTEK	GT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61	106	78	89	75	79	86		
PTEK	GT2B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	109	107	107	107	0	0	0	0	
SRDG	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SRDG	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	123	123	124	124	124	89	89		
Total CCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	223	564	979	1108	1031	1049	953	917	
BSIA	HY01	21	21	21	21	21	11	11	11	11	11	11	11	11	11	11	11	11	11	11	22	21	22	22	
BSIA	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	22	25	22	
BSIA	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	23	22	23	
CEND	HY01	9	9	9	9	9	9	10	10	10	10	10	9	10	10	9	9	9	9	9	9	10	10	10	
CEND	HY02	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	10	9	9	9	10	10	10	10	
CEND	HY03	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	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
HTRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	125	124	110	110	
KNRG	HY01	36	36	36	36	36	23	22	22	22	22	22	22	22	22	22	22	22	22	22	35	34	35	35	

Daily MW Generation on Friday

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
KNRG	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
KNRG	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
KNYR	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
KNYR	HY02	59	98	101	62	95	55	101	89	99	73	68	91	101	78	57	55	100	101	65	101	60	76	63	66
KNYR	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
KNYR	HY04	55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LPIA	HY01	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
LPIA	HY02	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
MNOR	HY01	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
PGAU	HY01	-1	-1	-1	74	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	112	86	-1	-1	-1	113	114	113	113
PGAU	HY02	-1	-1	-1	-1	-1	-1	22	-1	-1	-1	-1	-1	-1	-1	-1	110	111	81	81	81	81	81	81	81
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	150	110	115	22	23	110	81	81	81	-1	-1	-1	113
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	148	111	111	81	81	110	110	110	110	21	21	111	111	
SIHY	HY01	49	50	50	50	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
SIHY	HY02	50	50	50	50	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
SYPS	HY01	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	0	0	0	0	0	0	0
SYPS	HY02	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	0	0	0	0	0	0	0
SYPS	HY03	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	0	0	0	0	0	0	0
SYPS	HY04	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	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	33	36	37	33	36	32	39	37	36	36	35	35	37	37	32	32	37	80	80	37	34	36	36	36
UPIA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
UPIA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Total Hydro		479	367	371	403	345	280	310	295	328	279	273	296	249	338	195	193	242	585	474	472	404	423	744	692
Total Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG	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 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
Total Gen		13089	12839	12588	12239	12040	11860	11727	11540	11465	11343	11343	11434	11509	11703	11510	11543	11963	13008	13742	14174	14589	14917	15158	15103
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
TIE-HVDC		-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		11	25	-9	-25	52	48	-59	10	-43	-11	-1	-18	-42	2	53	21	-9	14	53	15	-11	-18	-19	-7
Inferconnection		-18	-4	-38	-54	22	19	-88	-19	-72	-40	-30	-47	-72	-27	24	-9	-38	-15	24	-15	-40	-47	-48	-36
System Total		13107	12843	12546	12293	12018	11841	11815	11559	11537	11383	11373	11481	11581	11730	11486	11552	12001	13023	13718	14189	14629	14964	15206	15139
SRev ST-Coal		35	45	66	85	117	139	99	134	119	120	121	113	99	105	105	103	109	91	121	130	138	112	129	127
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	95	304	225	96	173	155	142	178	280
SRev CCGT-Gas		350	478	588	870	776	722	925	1062	1185	1257	1250	1190	1082	971	1021	1028	888	685	162	128	303	189	181	205
SRev ST-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
SRev Co-Gen		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Syncon		726	726	726	575	575	726	726	726	575	726	726	726	726	575	576	726	827	676	676	676	676	676	676	676
Hydro		145	57	53	172	230	144	114	129	247	145	151	128	75	137	129	131	81	39	150	152	320	301	235	287
S.Reserve Total		1287	1432	1534	1703	1699	1732	1865	2052	2127	2249	2349	2158	1983	1789	1832	1989	1906	1492	1205	1391	1663	1375	1244	1300