

Availability at Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,637 MW
Hydro	1,675 MW
Distillate	0 MW
Total TNB	7,382 MW
Total IPP	9,681 MW
Total Co-Gen	0 MW
Total System	17,630 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	57,104	17.85 %
Gas	60,232	18.83 %
Hydro	6,588	2.06 %
Total TNB	123,924	38.75 %
ST-Coal	102,451	32.03 %
ST-Oil	1,287	0.40 %
Gas	91,735	28.68 %
Total IPP	195,473	61.12 %
Co-Gen	1,912	0.60 %
Total Co-Gen	1,912	0.60 %
Total Generation	321,309	100.46 %
PLTG	770	0.24 %
EGAT	-1	0.00 %
HVDC	713	0.22 %
Interconnection	1,482	0.46 %
Net Energy	319,827	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:	20:30:00 Hour
Total Set On Bus	15,596 MW
TNB Generation	5,854 MW
IPP Generation	8,547 MW
Spinning Reserve	1,115 MW
Maximum Demand	14,426 MW
Net Energy	319,827 MWH
Load Factor	92.37 %

Fuel Cost

Total Cost:	45,220,326.18 RM
Cost per Unit	14.39 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	305
Hydro	125
Syncon	500
Thermal	33
Total	963

Time	Weather	Temperature
Afternoon	Hot	37
Morning	Cloudy	26

Gas Usage

Station	(mmscfd)
CBPS	37
GLGR	44
PAKA	140
PGPS	3
SRDG	31
TJGS	209
Total TNB	464
KLPP	78
MPSS	46
PDPS	8
PGLA	106
PKLG	4
PLPS	96
SGRI	178
YPKA	136
Total IPP	652
Total Gas	1,116
Total Gas Required	1,130

Alternate Fuel Usage

Station	(mmscfd)
PKLG	14
Total	14

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	13916	13303	12880	12489	12199	11951	11918	11824	11371	12616	13404	14018	14109	13736	14068	14147	14264	13881	13333	13403	14330	14253	13906	13814

Daily MW Generation on Saturday

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
SGRI	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
SGRI	GT13	135	123	123	138	139	107	61	62	61	62	62	61	61	54	54	62	101	107	134	135	135	135	135	135
SGRI	ST14	141	144	140	147	145	128	109	94	94	93	93	93	96	96	96	92	95	126	131	142	197	219	221	221
SGRI	GT21	130	118	119	133	134	134	133	64	60	60	60	60	60	60	60	61	101	137	134	137	137	139	139	139
SGRI	GT22	138	127	125	140	139	139	139	67	64	65	65	66	67	66	66	65	65	107	139	139	137	137	136	136
SGRI	GT23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51	144	144	142	142	145	145	
SGRI	ST24	139	141	137	150	147	152	146	111	99	97	97	98	94	96	98	93	101	103	131	215	219	220	224	
YPGS	GT11	124	124	123	125	125	126	125	123	125	125	126	127	122	123	125	125	125	122	122	123	123	123	122	122
YPGS	GT12	129	130	128	127	129	127	130	129	129	127	129	130	131	125	127	130	133	126	129	127	126	128	128	
YPGS	ST10	134	133	133	133	133	134	134	133	133	133	133	133	132	132	135	135	134	134	133	133	132	132	133	133
YPKA	BLK1	362	362	362	362	362	360	360	363	363	360	360	362	362	363	363	362	362	360	360	360	360	360	360	360
YPKA	BLK2	391	392	392	392	392	390	390	393	393	390	390	391	391	393	393	392	392	390	390	390	389	389	389	391
PLPS	GT11	137	145	146	124	119	71	69	71	71	71	72	70	65	66	70	62	63	70	109	115	143	142	143	
PLPS	GT12	143	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	74	140	139	138	138	135	135	
PLPS	GT13	135	145	146	125	116	69	68	69	70	69	68	68	66	65	70	62	62	69	105	112	141	142	141	
PLPS	ST18	215	211	148	141	135	101	100	98	97	97	98	97	96	93	103	95	95	105	131	204	217	216	216	
TJGS	GT1A	198	198	198	198	198	198	210	214	218	153	125	140	136	136	136	118	127	133	219	220	220	217	217	
TJGS	GT1B	195	195	195	195	195	195	213	210	216	149	119	134	134	134	134	116	125	128	218	218	218	215	215	
TJGS	ST1C	231	231	231	231	231	231	240	246	248	203	169	182	182	182	182	167	167	179	250	257	257	254	254	
TJGS	GT2A	225	225	225	225	225	222	210	187	199	190	197	199	188	188	196	144	144	178	224	224	221	221	218	
TJGS	GT2B	220	220	220	220	220	216	205	182	197	188	194	192	182	183	192	140	140	177	221	221	218	218	218	
TJGS	ST2C	264	264	264	264	264	261	260	244	248	242	240	246	240	240	239	216	218	221	266	264	264	264	264	
Total CCGT-Gas		6713	6326	6089	5957	5703	5602	5485	5093	5041	4818	4688	4750	4701	4715	4781	4531	4566	4891	5645	6097	6451	6696	6762	
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	
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	
PKLG	GT09	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	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	
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	
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	
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	
BSIA	HY02	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
CBND	HY01	9	10	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
CBND	HY02	9	9	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
CBND	HY03	9	9	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
KNRG	HY02	21	21	22	22	22	21	21	22	22	21	22	21	22	21	22	21	22	21	22	21	22	21	22	
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	
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	
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	
KNYR	HY04	61	61	59	62	70	62	61	60	64	60	63	59	59	56	62	52	51	104	50	85	61	105	103	
LPJA	HY01	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	
LPJA	HY02	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
MNOR	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
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	
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
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	
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	

Daily MW Generation on Saturday

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																										
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	50	50	49	0	0	0	49	49	49	49	50	0	0	0	0	0	0	49	49	50	0	0	0	0	0	0								
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	0	0	0	50	50	50	50	50	16	0	0	0	0	0	0	0	0	50	50	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	50	50	50	0	0	0	50	49	49	49	49	52	0	0	0	0	0	0	0	0	0	49	49	0	0	0	0	0	0	0				
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	25	25	25	0	0	0	0	0	0			
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	0	0	0	0	0	0		
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	24	25	25	24	24	24	25	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	24	24	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	-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	-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	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	32	33	32	32	34	35	33	33	33	33	33	32	29	33	28	27	39	27	36	35	41	37	84	38	38	32	35	36	40	34	33	33	27	38	35	32	33	34	36	35	37	35	35	30	38	35	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	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	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		183	185	176	179	189	181	178	178	182	177	181	176	176	190	179	162	161	302	235	279	298	367	454	701	571	308	252	185	449	383	332	330	329	280	188	187	176	178	180	196	407	428	342	189	268	297	400	404		
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	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	
PCUF	CUFG	32	32	36	42	41	41	42	43	40	42	43	40	43	41	42	43	43	42	43	40	40	42	40	39	40	41	41	40	41	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40		
PCUF	CUFK	36	36	38	37	38	37	36	41	39	40	40	40	41	41	42	40	40	40	40	40	40	40	39	38	39	38	41	39	39	38	39	38	39	38	39	40	39	40	40	39	40	39	41	40	39	41	41	39	38	
Total Co-Gen		68	68	74	79	79	78	84	79	82	83	80	84	82	84	83	83	82	85	81	81	82	79	77	79	79	82	79	80	78	79	78	80	80	79	80	82	81	81	82	78	80	79	78	79	80	78	79			
Total Gen		14006	13630	13396	13185	12919	12721	12570	12209	12262	12116	11993	12079	12018	11967	11846	11453	11492	12086	12714	13139	13486	13588	14092	14209	14088	13843	13826	13927	14087	14182	14212	14317	14319	14265	13968	13708	13380	13317	13438	14110	14421	14481	14296	14174	14010	13960	13880	13723		
TIE-BGAT		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		31	31	31	30	30	30	30	30	30	30	30	30	29	29	30	30	30	30	30	31	31	31	31	30	30	31	31	30	30	31	31	30	30	31	31	30	30	31	31	30	30	31	29	29	30	0	30	30	30	
TIE-PLTG		59	-29	62	84	9	90	50	-10	33	46	12	42	70	54	-8	91	91	28	68	-4	52	-31	44	-58	-51	-23	59	74	-12	-16	35	18	24	116	57	41	16	27	5	-19	60	25	14	81	104	12	36	12		
Interconnection		90	2	93	114	39	120	81	21	63	76	42	73	100	83	22	121	121	58	98	27	82	0	74	-27	-21	7	90	105	19	15	65	49	55	147	87	73	47	57	35	12	91	54	43	111	104	42	66	42		
System Total		13916	13628	13303	13071	12880	12601	12489	12188	12199	12040	11951	12066	11918	11884	11824	11352	11371	12028	12616	13112	13404	13888	14018	14236	14109	13836	13736	13822	14068	14167	14147	14268	14264	14118	13881	13635	13333	13260	13403	14098	14330	14427	14253	14063	13906	13918	13814	13681		
SRev ST-Coal		62	53	47	105	100	175	151	157	119	65	63	31	47	124	302	427	446	203	133	124	88	-63	38	14	39	14	49	36	36	43	50	48	46	131	-61	25	44	56	-47	40	-82	23	13	7	46	86	192	193		
SRev ST-Oil		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	8	-13	-13	25	21	19	19	21	16	21	15	0	-2	0	0	-2	-1	-1	0	0	0	1	0	0	1	1	1	1	-1	1	1	1	1	1
SRev 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	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
SRev CCGT-Gas		537	569	443	575	789	795	913	1305	1357	1580	1605	1493	1542	1528	1496	1746	1726	1401	940	488	403	228	172	173	390	376	254	207	212	213	230	145	135	346	589	686	1069	1153	1138	555	454	270	378	385	716	388	331	406		
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	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
SRev Co-Gen		8	8	2	-3	-3	-2	-2	-8	-3	-6	-7	-4	-8	-6	-8	-7	-7	-6	-9	-5	-5	-6	-3	-1	-3	-3	-6	-3	-4	-2	-3	-2	-4	-4	-3	-4	-6	-5	-5	-6	-2	-4	-3	-2	-3	-4	-2	-3		
Syncon		724	724	724	724	724	724	724	724	724	724	724	724	573	724	724	724	724	724	724	573	573	724	472	623	724	724	724	623	724	573	573	573	573	573	573	573	573	573	573	573	573	573	573	724	422	422	321	321		
Hydro		121	119	128	125	115	123	126	122	127	123	128	128	265	125	142	143	77	144	100	271	213	75	162	141	71	127	119	106	71	123	125	126	175	117	118	129	127	125	109	123	252	238	115	438	409	639	635			
S.Reserve Total		1482	1473	1344	1526	1725	1815	1912	2304	2319	2490	2508	2372	2433	2484	2639	3032	3058	2407	1919	1418	1355	966	1096	896	1245	1262	1279	1164	1079	1082	1051	978	976	1378	1317	1429	1865	1960	1839	1307	1121	1115	1200	1230	1618	1302	1482	1553		