

Availability at Daily Maximum Demand Hour

ST-Coal	2,770 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,024 MW
Hydro	1,862 MW
Distillate	0 MW
Total TNB	8,656 MW
Total IPP	10,591 MW
Total Co-Gen	0 MW
Total System	19,817 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	59,224	18.37 %
Gas	51,737	16.04 %
Hydro	15,241	4.73 %
Total TNB	126,202	39.14 %
ST-Coal	96,019	29.78 %
Gas	100,302	31.10 %
Total IPP	196,321	60.88 %
Co-Gen	1,287	0.40 %
Total Co-Gen	1,287	0.40 %
Total Generation	323,810	100.41 %
PLTG	695	0.22 %
HVDC	641	0.20 %
Interconnection	1,336	0.41 %
Net Energy	322,474	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:	15:00:00 Hour
Total Set On Bus	16,889 MW
TNB Generation	6,583 MW
IPP Generation	9,069 MW
Spinning Reserve	1,181 MW
Maximum Demand	15,707 MW
Net Energy	322,474 MWH
Load Factor	85.54 %

Fuel Cost

Total Cost:	44,595,849.49 RM
Cost per Unit	14.50 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	380
Hydro	448
Syncon	313
Thermal	72
Total	1,213

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
CBPS	4
GLGR	54
PAKA	63
PGPS	40
SRDG	25
TJGS	206
Total TNB	392
KLPP	100
PGLA	109
PLPS	94
SGB3	88
SGRI	178
SKSP	31
YPGS	73
YPKA	104
Total IPP	776
Total Gas	1,168
Total Gas Required	1,168

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	12352	11751	11220	10903	10571	10342	10839	11136	11748	13531	14509	15192	15074	14764	15325	15707	15648	15294	14080	13809	14900	14837	14323	13832

Daily MW Generation on Monday

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	
YPGS	GT12	135	132	133	133	134	136	139	135	136	135	131	137	138	136	138	136	137	137	134	135	135	134	134	135	134
YPGS	ST10	137	137	137	137	136	138	137	137	137	136	136	138	138	138	138	138	137	137	137	137	137	137	137	137	137
YPKA	BLK1	286	286	286	286	286	285	285	286	286	284	284	286	286	283	283	283	286	286	281	281	283	283	283	283	288
YPKA	BLK2	291	294	294	293	293	293	293	293	293	295	295	292	292	291	291	291	294	292	292	292	292	291	291	291	292
PLPS	GT11	145	108	110	65	60	62	64	59	61	60	57	66	66	67	65	66	66	149	149	148	148	148	140	141	
PLPS	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	147	143	142	142	141	137	
PLPS	GT13	141	106	106	76	59	60	64	57	59	58	56	63	64	63	65	64	65	147	146	147	147	146	137	137	
PLPS	ST18	145	131	134	109	86	87	89	87	88	85	85	87	91	91	95	95	97	154	215	216	216	216	213	214	
SKSP	BLK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	19	63	71	65	0	0	
TJGS	GT1A	225	225	195	195	195	194	156	155	106	106	105	103	105	177	176	176	220	224	225	225	224	221	213	216	
TJGS	GT1B	225	225	193	193	193	193	154	154	104	104	104	104	104	177	172	172	218	223	222	222	222	222	214	213	
TJGS	ST1C	256	256	226	223	223	222	193	193	148	145	145	145	145	180	203	203	240	253	253	256	256	256	249	249	
TJGS	GT2A	226	226	186	183	146	146	125	125	126	125	125	125	125	187	184	185	209	226	226	223	223	215	215	215	
TJGS	GT2B	221	221	180	179	140	140	120	120	120	121	121	121	121	183	180	180	206	219	220	222	210	210	210	210	
TJGS	ST2C	263	263	237	237	215	217	207	205	207	205	205	205	227	235	235	243	262	262	262	262	262	258	258	258	
Total CCGT-Gas		5745	5445	5183	5105	4870	4857	4590	4393	4326	4227	4202	4417	4525	4838	4673	4721	5097	6144	6654	7001	7116	7033	6926	6939	
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	0	
SRDG	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71	71	71	70	70	71	96	
SRDG	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	103	99	100	99	99	89	124	
SRDG	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43	99	99	99	99	89	122	
Total OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	217	269	270	268	268	249	342	
BSIA	HY01	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	10	10	10	10	10	10	10	10	
BSIA	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	12	11	11	11	12	12	
BSIA	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	15	14	14	15	16	15	15	
CEND	HY01	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
CEND	HY02	8	8	8	8	8	8	8	8	8	8	8	8	8	8	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	
KNRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	25	25	21	22	23	26	
KNRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	24	24	23	23	23	25	
KNRG	HY03	21	21	22	22	22	22	21	21	21	21	23	23	22	22	21	22	21	22	22	25	25	25	25	23	
KNYR	HY01	99	99	99	99	0	0	0	0	0	0	0	0	0	0	0	0	59	59	100	99	99	100	101	92	
KNYR	HY02	98	98	99	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	100	99	99	100	101	92	91	
KNYR	HY03	99	99	100	100	60	60	59	59	0	0	0	101	100	100	100	99	100	100	100	100	100	100	99	99	
KNYR	HY04	100	100	101	101	60	60	60	60	60	60	59	61	61	102	101	101	101	101	101	101	101	101	103	103	
LPIA	HY01	16	16	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	
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	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	7	7	7	7	4	4	5	
PGAU	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	21	21	21	21	21	21	
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	-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	-1	
PGAU	HY04	-1	-1	-1	-1	-1	-1	29	-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	30	30	30	30	30	30	30	
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30	30	30	
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30	30	30	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	16	16	16	
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	25	25	25	25	25	25	
SYPS	HY03	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	25	25	25	25	25	25	

Daily MW Generation on Monday

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																											
SYPS	HY04	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	16	0	0	0	25	25	25	25	25	25	0	25	25	0	0	0	25	25	25	25	25	25	25	25	25							
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	-1				
TMGR	HY02	35	35	36	35	36	38	37	34	36	35	35	39	41	39	35	34	33	35	35	37	40	40	66	67	59	32	34	37	36	33	32	31	34	31	30	29	30	30	31	35	28	28	29	29	28	28	28	33	33		
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	67	65	62	28	33	36	34	33	32	32	32	32	31	29	31	31	31	31	34	28	28	29	0	0	0	0	0	0	0	0	0			
TMGR	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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
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	5	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	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	4		
Total Hydro		576	526	532	431	252	254	252	278	191	190	189	219	222	361	391	420	531	529	531	535	700	955	1051	1050	1014	737	755	784	851	1089	1002	974	959	953	918	712	649	593	716	669	1045	977	809	644	607	605	572	556			
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	0	0
PCUF	CUFG	14	16	14	14	15	15	14	15	16	14	15	15	15	15	15	15	15	15	15	16	14	15	14	13	14	14	15	15	15	15	15	14	15	15	15	15	15	17	15	16	17	17	16	16	16	14	13	15	14		
PCUF	CUFK	38	39	39	40	38	40	38	39	40	40	39	39	40	39	39	39	40	39	39	39	40	39	38	39	38	39	38	38	37	38	41	39	38	38	37	39	37	38	39	37	38	38	38	38	39	38	38	39	38	39	40
Total Co-Gen		52	55	53	54	53	55	52	54	56	54	54	54	55	54	54	55	54	56	53	53	53	53	51	53	53	53	53	52	53	56	53	53	53	52	54	54	53	55	54	55	54	54	55	54	55	52	51	54	54		
Total Gen		12321	11993	11788	11615	11239	11218	10932	10736	10611	10498	10442	10719	10857	11303	11174	11224	11739	12878	13586	14124	14510	14857	15150	15299	15194	14900	14900	15052	15561	15739	15708	15666	15727	15676	15382	14890	14162	13982	13831	14578	14952	15109	14928	14825	14432	14230	13879	13606			
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	0	
TIE-HVDC		-29	-29	-29	31	30	30	30	30	31	31	30	30	30	30	30	30	30	30	30	30	31	30	30	30	31	31	31	31	31	31	31	31	31	30	30	31	31	30	30	31	31	30	30	31	31	31	31	31	31		
TIE-PLTG		-2	59	66	38	-11	30	-1	87	9	47	70	30	-12	139	8	36	-39	16	24	0	-30	8	-72	-29	90	21	105	-15	6	15	-30	35	48	90	57	79	52	28	-8	56	22	47	61	37	79	18	16	11			
Interconnection		-31	30	37	69	19	60	29	117	40	78	100	60	18	169	38	66	-9	46	55	31	1	39	-42	1	120	52	136	16	36	45	1	65	79	121	88	110	82	59	22	87	52	77	91	67	109	49	47	42			
System Total		12352	11963	11751	11546	11220	11158	10903	10619	10571	10420	10342	10659	10839	11134	11136	11158	11748	12832	13531	14093	14509	14818	15192	15298	15074	14848	14764	15036	15325	15694	15707	15601	15648	15585	15294	14780	14080	13923	13809	14491	14960	15032	14837	14758	14323	14181	13832	13564			
SRev ST-Coal		101	108	55	50	11	23	37	64	37	48	78	46	20	25	19	46	19	101	107	43	34	9	172	115	182	157	244	88	15	29	54	43	81	52	64	92	136	105	95	121	112	43	68	58	88	119	62	71			
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		751	1051	1103	1181	1416	1429	1696	1893	1960	2059	2084	1869	1761	1448	1613	1915	1777	994	717	415	398	151	258	595	402	510	330	345	258	269	234	328	206	279	457	554	954	1010	1095	285	397	290	278	227	550	457	790	667			
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		24	21	23	22	23	21	24	22	20	22	22	22	21	22	22	22	21	22	22	21	22	20	23	23	23	25	23	23	23	23	24	23	20	23	23	23	24	22	22	23	21	22	21	22	22	21	24	25	22	22	
Syncon		624	624	624	725	725	725	574	725	725	725	574	574	574	725	574	624	624	624	624	624	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hydro		85	85	80	80	159	157	159	284	120	121	122	243	240	201	120	242	81	83	81	77	162	869	797	798	834	861	843	814	394	457	544	422	286	292	302	283	226	169	498	545	643	570	563	227	209	211	161	89			
S.Reserve Total		1885	1889	1885	2058	2334	2355	2641	2837	2862	2975	3031	2754	2616	2270	2499	2799	2522	1823	1551	1179	1241	1052	1396	1627	1534	1646	1535	1384	1165	1120	1181	1143	1074	1125	1332	1417	1874	1931	2031	1295	1324	1076	1082	986	1324	1265	1571	1473			