

Availability at Daily Maximum Demand Hour

ST-Coal	2,380 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,748 MW
Hydro	1,801 MW
Distillate	0 MW
Total TNB	7,929 MW
Total IPP	10,532 MW
Total Co-Gen	76 MW
Total System	18,537 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	43,297	13.90 %
Gas	57,646	18.50 %
Hydro	16,000	5.13 %
Total TNB	116,943	37.53 %
ST-Coal	98,194	31.51 %
ST-Gas	4,319	1.39 %
Gas	89,581	28.75 %
Total IPP	192,094	61.65 %
Co-Gen	2,040	0.65 %
Total Co-Gen	2,040	0.65 %
Total Generation	311,077	99.83 %
PLTG	182	0.06 %
HVDC	-700	-0.22 %
Interconnection	-518	-0.17 %
Net Energy	311,595	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:	14:30:00 Hour
Total Set On Bus	15,686 MW
TNB Generation	5,708 MW
IPP Generation	8,556 MW
Spinning Reserve	1,344 MW
Maximum Demand	14,380 MW
Net Energy	311,595 MWH
Load Factor	90.28 %

Fuel Cost

Total Cost:	44,088,983.81 RM
Cost per Unit	14.98 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	760
Hydro	309
Syncon	206
Thermal	63
Total	1,338

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
CBPS	3
CBPS	30
GLGR	54
PAKA	100
PGPS	32
SRDG	4
TJGS	209
Total TNB	432

KLPP	95
MPSS	32
PDPS	5
PGLA	102
PLPS	93
PTEK	2
SGB3	34
SGRI	176
SKSP	27
YPGS	70
YPKA	69
PKLG	44
Total IPP	750
Total Gas	1,182
Total Gas Required	1,182

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	13118	12464	12137	11654	11297	11088	11130	11190	11275	12527	13525	13982	14056	13955	14143	14313	14224	13926	13191	13312	14009	13931	13471	13195

Daily MW Generation on Thursday

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	GT22	114	112	131	127	137	67	65	65	65	65	65	66	66	66	66	66	66	66	66	66	66	66	66	66
SGRI	GT23	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	ST24	137	131	141	148	148	101	98	100	99	100	98	98	98	97	105	105	106	158	192	196	194	195	193	195
YPGS	GT11	125	126	127	127	126	126	127	122	122	126	124	125	125	124	124	124	121	122	122	121	121	121	122	122
YPGS	GT12	128	129	129	130	130	130	129	125	127	129	130	129	131	132	132	125	130	129	134	131	130	131	129	127
YPGS	ST10	133	135	135	135	135	135	135	135	135	135	135	135	135	134	131	135	135	135	133	134	134	134	134	134
YPKA	BLK1	184	184	184	184	185	185	185	185	186	186	186	186	186	185	185	186	186	186	186	186	186	186	186	186
YPKA	BLK2	203	203	202	202	203	203	204	204	205	205	204	204	205	205	205	205	205	205	203	203	200	200	199	199
PLPS	GT11	67	122	146	145	146	150	151	150	156	110	110	109	109	109	61	62	63	134	145	111	115	114	115	114
PLPS	GT12	144	145	145	145	109	110	70	69	69	69	70	69	70	70	69	70	133	145	109	108	109	109	109	109
PLPS	GT13	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	ST18	121	133	146	146	139	142	127	124	125	116	116	117	117	104	103	102	141	152	131	197	198	198	198	
SKSP	BLK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	84	213	225	228	216	214	231	237
TJGS	GT1A	226	226	226	226	226	225	199	162	161	123	123	123	123	138	138	138	226	222	208	211	211	211	222	218
TJGS	GT1B	225	225	225	222	222	217	196	157	155	120	119	119	119	132	136	223	223	207	207	218	218	218	218	218
TJGS	ST1C	255	255	255	255	255	243	234	198	195	168	168	168	168	185	181	181	249	254	242	239	239	239	251	254
TJGS	GT2A	223	224	224	224	224	204	189	189	125	125	125	127	127	142	147	147	223	223	204	204	204	219	219	219
TJGS	GT2B	217	217	217	217	217	201	187	184	121	119	119	119	119	140	139	139	217	217	196	199	199	217	217	217
TJGS	ST2C	260	260	260	260	260	242	241	241	207	207	207	207	207	218	216	216	261	261	250	250	250	256	263	263
Total CCGT-Gas		6036	5889	5927	5815	5672	5364	5018	4794	4620	4545	4450	4495	4462	4586	4514	4389	4406	5154	5512	6094	6347	6330	6354	6458
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
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
PDPS	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
PTEK	GT2A	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
SRDG	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
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
BSIA	HY01	20	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	23	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
BSIA	HY03	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CEND	HY01	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
CEND	HY02	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	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	9
CEND	HY04	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
KNRG	HY01	23	21	23	22	23	23	22	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY02	23	0	0	0	0	0	0	0	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
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	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	99	-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	57	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	57	60	68	63	99	71	64	54	55	60	55	58	55	76	58	49	61	65	99	48	51	58	61	59
LPIA	HY01	11	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
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	2	2	2	2	2	2	2	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
PGAU	HY01	114	115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGAU	HY02	112	71	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	112	81	-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 Thursday

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																									
PGAU	HY04	112	112	-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																									
SIHY	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																									
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																									
SYPS	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																									
SYPS	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																									
SYPS	HY04	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	HY01	45	-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	0	0	0	0	0	0	26	25	29	26	29	29	0	0	0	0	0	0	0	0	0	0	0	0																									
TMGR	HY03	46	30	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																									
TMGR	HY04	47	32	33	33	36	33	32	29	31	32	28	31	33	32	31	30	35	35	37	30	37	55	56	74	72	33	32	32	30	30	77	73	77	77	35	31	34	35	79	79	79	80	51	-1	-1	-1	-1		
UPLA	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																								
UPLA	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		984	608	206	200	240	209	200	231	282	242	232	262	239	230	211	250	288	296	349	298	305	668	670	764	756	597	406	424	724	648	1387	1352	1388	1391	1386	1060	888	645	777	1401	1518	1521	1350	1276	721	725	617	438	
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	CUFQ	53	53	52	51	53	51	53	53	52	51	53	52	52	53	54	55	53	53	52	52	54	53	51	52	53	52	52	51	52	51	52	51	53	53	52	53	54	54	54	53	52	53	54	53	53	53	53		
PCUF	CUFK	36	36	36	35	35	37	36	36	36	37	38	36	37	36	36	37	36	35	34	33	33	30	29	30	29	28	27	28	26	27	27	26	26	28	28	27	29	29	30	31	32	33	33	34	34	34	34	33	
Total Co-Gen		89	89	88	86	88	88	89	89	88	88	90	90	88	90	91	90	89	88	86	85	87	83	80	82	82	80	79	79	78	78	79	77	79	81	80	80	83	83	84	84	84	86	87	87	87	87	86		
Total Gen		13121	12697	12383	12236	12133	11902	11618	11427	11341	11230	11116	11194	11148	11277	11172	11128	11254	12028	12470	13149	13517	13831	13935	14182	14125	14050	13903	14082	14149	14342	14269	14260	14154	14043	13912	13626	13146	13082	13262	13960	13937	13859	13910	13692	13427	13345	13211	12900	
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	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		-28	-28	-29	-29	-29	-29	-28	-28	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	
TIE-PLTG		31	68	-52	-38	25	23	-11	64	73	70	57	22	47	80	11	174	8	109	-28	50	21	-57	-18	19	99	-66	-23	-23	35	-9	-15	-45	-40	-34	16	-21	-15	-19	-20	-6	-44	-33	8	-49	-15	-64	45	-50	
Interconnection		3	40	-81	-67	-4	-6	-39	36	44	40	28	-7	18	51	-18	145	-21	80	-57	21	-8	-86	-47	-10	69	-96	-52	-52	6	-39	-44	-74	-70	-63	-14	-50	-45	-49	-50	-35	-72	-61	-21	-78	-44	-93	16	-79	
System Total		13118	12657	12464	12303	12137	11908	11654	11391	11297	11190	11088	11201	11130	11226	11190	10983	11275	11948	12527	13128	13525	13917	13982	14192	14056	14146	13955	14134	14143	14381	14313	14334	14224	14106	13926	13676	13191	13051	13312	13995	14009	13920	13931	13770	13471	13438	13195	12979	
SRev ST-Coal		157	58	107	234	336	228	162	157	168	164	175	172	160	148	162	91	19	15	19	76	0	-13	1	22	42	12	26	186	166	153	109	14	10	28	25	50	37	17	24	24	26	22	24	16	17	23	79	57	
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
SRev CCGT-Gas		671	678	479	378	521	829	1175	1399	1573	1648	1743	1698	1731	1607	1679	1804	1787	1039	1007	1262	1009	1021	997	893	959	897	779	400	518	301	305	550	524	623	655	543	878	737	590	527	665	750	537	690	399	513	333	285	
SRev ST-Gas		38	38	38	38	37	37	37	37	37	37	38	38	38	37	37	38	38	38	38	38	42	31	33	-2	-6	-1	-3	41	38	41	38	38	10	4	2	0	22	43	38	37	37	37	37	37	37	38	37	37	
SRev Co-Gen		-13	-13	-12	-10	-12	-12	-13	-13	-12	-12	-14	-14	-12	-14	-14	-15	-14	-13	-12	-10	-9	-11	-7	-4	-6	-6	-4	-3	-3	-2	-2	-3	-1	-3	-5	-4	-4	-7	-7	-8	-8	-8	-10	-11	-11	-11	-11	-10	
Syncon		0	184	720	720	720	720	720	720	720	720	720	720	720	720	720	720	720	720	720	720	637	252	252	252	252	252	252	252	101	252	0	0	0	0	0	151	302	453	453	151	0	0	83	83	316	316	467	618	
Hydro		387	398	114	120	80	111	120	144	69	109	119	240	111	90	110	119	106	98	70	121	197	320	316	223	231	390	481	463	772	597	310	345	309	306	310	485	507	449	317	245	279	276	282	356	228	224	181	159	
S.Reserve Total		1340	1343	1446	1480	1682	1913	2201	2444	2555	2666	2781	2703	2748	2589	2694	2756	2656	1897	1842	2211	1865	1602	1557	1380	1477	1542	1575	1336	1678	1344	828	1150	1003	1114	1064	1247	1763	1687	1414	976	999	1077	953	1171	1011	1103	1086	1146	