

Availability at Daily Maximum Demand Hour

ST-Coal	2,920 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,024 MW
Hydro	1,857 MW
Distillate	0 MW
Total TNB	8,801 MW
Total IPP	10,773 MW
Total Co-Gen	0 MW
Total System	20,144 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	61,474	18.79 %
Gas	46,933	14.35 %
Hydro	19,436	5.94 %
Total TNB	127,843	39.08 %
ST-Coal	95,886	29.31 %
Gas	102,025	31.18 %
Total IPP	197,911	60.49 %
Co-Gen	1,227	0.38 %
Total Co-Gen	1,227	0.38 %
Total Generation	326,981	99.94 %
PLTG	546	0.17 %
EGAT	-33	-0.01 %
HVDC	-702	-0.21 %
Interconnection	-189	-0.06 %
Net Energy	327,170	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	16,809 MW
TNB Generation	6,299 MW
IPP Generation	9,300 MW
Spinning Reserve	1,158 MW
Maximum Demand	15,612 MW
Net Energy	327,170 MWH
Load Factor	87.31 %

Fuel Cost

Total Cost:	43,333,179.53 RM
Cost per Unit	14.15 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	398
Hydro	421
Syncon	334
Thermal	81
Total	1,234

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	36
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
CBPS	3
GLGR	53
PAKA	34
PGPS	33
SRDG	6
TJGS	215
Total TNB	345
KLPP	96
MPSS	58
PGLA	110
PKLG	3
PLPS	94
SGB3	77
SGRI	160
SKSP	37
YPGS	71
YPKA	92

Total IPP	800
Total Gas	1,145
Total Gas Required	1,145

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	12868	12285	11851	11513	11227	11130	11324	11664	12146	13615	14415	15144	15069	14749	15291	15613	15559	15228	14154	13902	14919	14857	14129	13825

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																									
YPKA	BLK1	192	194	194	193	193	194	194	194	193	193	194	194	194	199	238	266	277	286	286	286	286	285	285	284	284	284	284	283	283	284	283	283	282	282	284	284	283	283	286	286	286	286	283	283	283				
YPKA	BLK2	187	189	189	187	187	189	189	189	188	188	195	242	274	285	291	291	290	290	290	288	288	288	288	288	288	288	288	289	288	288	289	288	288	287	287	289	289	288	288	291	291	290	290	286	286	286			
PLPS	GT11	128	129	116	109	112	66	65	66	62	59	66	63	72	67	113	109	119	150	145	145	149	144	142	121	125	125	124	124	143	143	139	142	137	138	107	110	111	114	115	147	144	146	144	140	147	141	146		
PLPS	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	97	144	138	137	143	139	139	125	129	129	128	128	139	139	135	133	133	134	112	115	115	118	119	141	138	140	139	135	42	0	0				
PLPS	GT13	124	127	113	106	109	63	65	64	61	59	65	64	72	64	108	107	116	149	142	141	145	144	141	118	121	121	120	121	142	142	138	141	138	137	116	113	109	113	111	145	143	145	145	139	146	139	146		
PLPS	ST18	142	143	134	134	131	93	87	91	87	90	88	89	89	99	96	138	140	179	218	217	215	218	219	217	206	208	208	210	208	216	214	214	215	216	213	202	204	197	201	200	216	215	217	214	215	201	146	147	
SKSP	BLK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	148	350	348	348	346	342	342	340	343	339	341	340	342	339	331	345	342	340	343	214	224	230	235	342	322	307	235	235	214	267	285	270			
TJGS	GT1A	194	198	216	202	129	178	148	220	143	175	134	168	189	226	226	182	190	170	135	197	226	223	220	220	220	217	220	217	217	217	217	217	217	222	222	223	221	221	221	224	224	224	224	223	224	226			
TJGS	GT1B	189	198	213	196	125	171	143	216	143	167	131	168	184	221	221	181	187	165	136	192	221	221	221	221	217	217	217	217	217	217	217	217	217	221	220	220	220	220	220	220	223	223	223	220	221	220			
TJGS	ST1C	251	204	242	250	196	211	207	231	202	212	188	203	220	256	256	233	238	192	185	225	252	256	256	256	256	256	256	256	256	256	256	256	256	258	258	258	258	258	258	258	258	258	258	258	251	254	254		
TJGS	GT2A	204	204	204	204	204	184	184	184	184	184	184	184	184	226	226	226	226	226	226	222	222	219	219	218	218	218	218	215	217	217	217	217	217	222	220	221	221	221	221	221	223	223	225	225	225	225			
TJGS	GT2B	198	198	198	198	198	198	178	180	178	178	178	178	178	180	218	218	218	218	218	218	218	218	218	218	218	218	216	216	216	216	216	216	218	218	219	219	221	221	221	221	221	221	221	221	219	220			
TJGS	ST2C	250	250	250	250	250	240	240	240	240	240	238	238	238	238	264	262	262	262	262	264	264	264	264	264	264	264	264	264	264	264	264	262	262	262	262	265	265	265	265	265	265	265	265	265	265	265	265		
Total CCGT-Gas		5249	5051	4874	4700	4476	4365	4142	4379	4087	4154	4040	4174	4207	4559	4511	4504	4967	5810	6412	6960	7262	7436	7446	7313	7134	7206	7195	7211	7351	7459	7422	7333	7391	7376	7322	6965	7036	6844	6832	7256	7251	7213	7119	7170	6734	6791	6725	6487	
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	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	0	0	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	0	0	0	0	0	0	0	0	0	0	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	0	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	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	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	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	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	HY02	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	22	23	15	14	14	15	14	0	15	15	16	16	16	16	16	16	16	15	16	16	15	15	15	15	15	15	15	16	16	16	15	15	15	16	15	22	22	22	22	22	22	22	22	22	22	22	22	22	22
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	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	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	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
KNRG	HY01	36	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	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	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	37	37	23	21	22	23	22	22	22	21	22	22	22	22	22	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21		
KNYR	HY01	100	100	101	100	100	100	99	101	100	100	100	100	100	100	100	99	100	100	99	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
KNYR	HY02	99	100	100	99	99	100	99	100	99	99	99	99	99	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	
KNYR	HY03	100	101	101	100	100	99	101	100	100	100	100	100	100	100	100	99	99	99	99	100	99	99	99	100	100	100																							

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																											
SYPS	HY03	25	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	16	16	25	20	20	0	0	4	25	25	25	16	16	0	0	0	0	0	0	25	25	25	25	25	25	0	0	0					
SYPS	HY04	25	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	16	16	25	20	20	0	0	2	25	25	25	16	16	0	0	0	0	0	0	9	25	25	25	25	25	0	0	0					
TMGR	HY01	32	34	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	61	38	38	38	37	38	35	81	81	81	83	82	82	82	83	80	84	82	83						
TMGR	HY02	31	33	33	33	33	34	34	36	32	32	33	32	33	39	34	32	32	33	30	30	34	34	32	34	33	33	83	83	61	37	37	37	37	37	34	80	81	83	83	82	81	82	81	81	83	79	83				
TMGR	HY03	31	-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	61	38	38	38	37	38	35	81	81	83	82	81	82	81	82	81	81	83	79	83				
TMGR	HY04	34	-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	60	39	39	39	38	39	37	78	78	77	80	79	79	70	71	68	71	70	70					
Total Hydro		741	621	550	521	522	526	521	515	544	522	523	523	524	546	529	523	572	599	575	580	577	743	866	906	929	720	711	893	1066	1157	1055	1011	991	926	833	757	969	970	971	1116	1295	1293	1283	1285	1295	1010	996	1002			
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	10	9	9	10	9	10	8	8	9	10	10	10	11	11	11	10	11	9	7	7	7	8	10	9	9	10	10	14	14	14	13	15	14	15	15	13	15	15	16	15	13	16	16	13	16	18	16				
PCUF	CUFK	41	39	39	39	39	41	40	39	42	41	41	40	40	39	41	41	40	40	41	40	40	40	40	38	38	38	37	37	36	38	37	40	41	41	39	40	39	38	38	39	39	40	39	40	41	41	41				
Total Co-Gen		51	48	48	49	48	51	48	47	50	50	51	51	50	51	50	52	51	51	49	48	47	47	48	50	47	47	48	47	51	50	52	50	55	55	56	54	53	54	53	54	54	52	56	55	53	57	59	57			
Total Gen		12855	12533	12277	12063	11859	11745	11515	11487	11246	11285	11164	11308	11335	11755	11637	11630	12141	12996	13594	14129	14414	14829	15119	15248	15099	14770	14746	14938	15254	15472	15651	15530	15557	15485	15244	14716	14114	13912	13907	14553	14947	14909	14811	14632	14118	13913	13816	13575			
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	0		
TIE-HVDC		-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29		
TIE-PLTG		16	31	20	76	37	28	31	31	49	36	63	-14	40	-19	2	15	24	29	8	18	29	-18	4	21	59	-4	27	2	-8	-30	68	38	27	81	45	41	-10	28	33	24	57	63	-17	-2	18	-18	21	-9			
Interconnection		-13	2	-8	47	8	-1	2	2	19	7	34	-43	11	-48	-27	-15	-5	0	-21	-11	-1	-47	-25	-9	30	-33	-3	-26	-37	-59	38	8	-2	52	16	12	-40	-3	5	-4	28	34	-46	-31	-11	-48	-9	-39			
System Total		12868	12531	12285	12016	11851	11746	11513	11485	11227	11278	11130	11351	11324	11803	11664	11645	12146	12996	13615	14140	14415	14876	15144	15257	15069	14803	14749	14964	15291	15531	15613	15522	15559	15433	15228	14704	14154	13915	13902	14557	14919	14875	14857	14663	14129	13961	13825	13614			
S.Rev ST-Coal		11	12	20	32	12	22	21	102	80	84	97	87	21	-24	28	24	24	39	17	34	47	22	83	113	113	145	110	115	116	203	43	160	148	139	136	159	19	31	24	31	33	32	31	31	39	20	39	46			
S.Rev 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	92	104	106	104	105	28	0	0	0	0	145	33	173	172	45	0	0	0	0	0	0	0	0
S.Rev CCGT-Gas		533	731	908	1082	1374	1485	1708	1471	1763	1696	1810	1676	1643	1291	1339	1346	1376	1181	1023	663	332	88	95	228	407	335	346	330	270	162	199	288	230	245	339	696	485	677	689	265	270	308	402	351	687	436	359	431			
S.Rev 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		
S.Rev Co-Gen		25	28	28	27	28	25	28	29	26	26	25	25	26	25	26	24	25	25	27	28	29	29	28	26	29	28	29	25	26	24	26	21	21	20	22	23	22	23	22	24	20	21	23	19	17	19					
Syncon		453	542	474	625	625	625	625	474	625	625	625	625	625	625	625	625	625	776	625	625	624	624	171	171	171	171	171	171	0	0	0	151	151	151	151	453	453	453	453	453	453	453	453	302	453	453	453				
Hydro		235	105	205	83	82	78	83	65	211	82	81	81	80	58	75	81	82	248	124	120	123	258	289	726	742	701	710	704	606	687	788	831	701	666	658	684	171	170	169	149	95	97	107	105	246	91	105	99			
S.Reserve Total		1261	1447	1639	1853	2125	2239	2469	2296	2558	2517	2642	2498	2399	1979	2097	2104	2136	2122	1971	1474	1160	1025	1119	1264	1462	1381	1365	1349	1188	1170	1158	1411	1355	1352	1332	1712	1151	1353	1358	1065	926	1087	1185	1006	1297	1019	973	1048			