

Availability at Daily Maximum Demand Hour

ST-Coal	2,570 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,024 MW
Hydro	1,886 MW
Distillate	0 MW
Total TNB	8,480 MW
Total IPP	10,565 MW
Total Co-Gen	0 MW
Total System	19,615 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	61,261	19.23 %
Gas	47,316	14.85 %
Hydro	20,497	6.43 %
Total TNB	129,074	40.51 %
ST-Coal	90,952	28.55 %
Gas	96,823	30.39 %
Total IPP	187,775	58.94 %
Co-Gen	1,215	0.38 %
Total Co-Gen	1,215	0.38 %
Total Generation	318,064	99.83 %
PLTG	168	0.05 %
HVDC	-703	-0.22 %
Interconnection	-535	-0.17 %
Net Energy	318,599	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	16,345 MW
TNB Generation	6,202 MW
IPP Generation	8,930 MW
Spinning Reserve	1,165 MW
Maximum Demand	15,247 MW
Net Energy	318,599 MWH
Load Factor	87.06 %

Fuel Cost

Total Cost:	40,166,069.36 RM
Cost per Unit	13.70 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	453
Hydro	529
Syncon	196
Thermal	123
Total	1,301

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Cloudy	27

Gas Usage

Station	(mmscfd)
CBPS	3
GLGR	53
PAKA	19
PGPS	36
SRDG	19
TJGS	220
Total TNB	350
KLPP	105
MPSS	36
PGLA	98
PKLG	3
PLPS	99
SGB3	88
SGRI	138
SKSP	51
YPGS	70
YPKA	68
Total IPP	755
Total Gas	1,105
Total Gas Required	1,105

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	12382	11693	11424	10922	10800	10816	11016	11273	11724	13393	14244	14931	14789	14354	14998	15236	15212	14984	13945	13573	14790	14605	14020	13658

Daily MW Generation on Wednesday

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	ST10	128	131	134	136	135	133	132	134	132	135	135	136	135	135	131	129	133	133	135	134	135	134	134	134	134	134	134	134	134	133	133	134	134	134	134	133	133	133	133	133	133											
YPKA	BLK1	189	191	191	193	193	188	188	189	189	189	189	193	193	191	191	186	186	189	189	191	191	189	189	192	192	192	192	189	189	189	189	190	190	191	191	193	193	192	192	193	193	194	194	194	192	192	194	194	194	192		
YPKA	BLK2	181	182	182	185	185	180	180	181	181	180	180	185	185	185	185	179	179	182	182	184	184	181	181	185	185	185	185	182	182	182	182	183	183	185	185	186	186	185	185	187	187	188	188	186	186	188	188	188	187			
PLPS	GT11	136	110	110	120	120	109	108	113	110	109	117	117	124	151	147	128	153	112	150	145	148	149	148	141	140	133	133	134	135	136	134	143	138	141	133	135	111	109	112	134	135	131	134	133	127	131	129	127	127			
PLPS	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	75	115	144	137	142	138	142	136	135	113	112	116	116	116	115	124	118	122	114	116	115	114	118	138	139	137	138	135	116	0	0	0	0				
PLPS	GT13	133	106	107	117	118	106	105	109	106	105	115	113	120	151	143	127	151	109	147	143	147	146	144	136	134	130	130	130	132	134	131	139	136	139	132	133	109	107	109	133	133	128	130	128	125	128	126	122	122			
PLPS	ST18	144	131	134	136	136	134	133	131	131	134	134	136	137	148	152	151	151	203	218	215	217	216	214	213	213	209	208	209	210	211	211	213	208	209	199	197	198	213	214	213	213	212	208	143	142	141	141	141				
SKSP	BLK1	212	210	245	329	321	253	209	218	212	214	267	280	346	342	218	283	327	231	333	244	340	268	225	318	210	213	213	214	312	338	285	339	338	340	262	212	204	213	215	230	341	343	349	339	340	347	218	213	213			
TJGS	GT1A	223	223	223	226	223	227	227	227	227	227	227	227	227	227	212	224	227	224	224	224	224	224	221	218	218	218	218	218	218	218	218	218	218	221	217	221	221	214	216	222	221	226	219	211	157	217	225	163	163			
TJGS	GT1B	222	222	222	222	222	222	222	222	222	222	222	222	222	222	209	218	224	221	221	221	221	221	213	217	213	216	213	213	216	216	216	216	216	216	216	216	216	216	205	210	222	219	220	217	211	152	214	223	161	161		
TJGS	ST1C	256	256	256	256	256	256	256	256	256	256	256	256	256	256	239	254	257	257	257	257	257	257	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	250	246	256	256	256	256	248	205	238	255	227	227	
TJGS	GT2A	222	225	225	225	227	226	226	226	227	226	227	226	226	226	226	226	226	226	226	226	226	226	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219	219		
TJGS	GT2B	220	217	218	220	220	219	219	218	220	220	220	220	220	220	220	220	220	220	220	220	220	218	218	221	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	
TJGS	ST2C	266	266	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	263	261	261	261	261	261	261	261	261	261	261	261	261	261	261	261	261	261	261	261	261	261	261	261	261	261	261	261	261		
Total CCGT-Gas		5490	5022	4922	4812	4761	4544	4446	4517	4482	4474	4650	4655	4775	5007	4771	4855	5269	5983	6712	6617	6910	6938	6789	6848	6609	6586	6559	6701	6866	6929	6870	6950	6942	6973	6793	6637	6281	6036	6011	6590	6792	6719	6582	6443	6189	6129	6039	5496	5496			
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	0	0	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	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	0	0	0	0	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	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	0	0	0	
Total CCGT-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	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	0	0	0	
BSIA	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	0	0	0	0
BSIA	HY03	13	14	14	15	15	22	23	23	22	23	23	23	23	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	
CEND	HY01	9	9	10	10	10	9	10	9	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	9	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	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	9	9	9	9
KNRG	HY01	21	24	25	28	28	24	23	25	24	24	27	28	29	25	23	21	23	25	27	24	28	24	26	25	23	24	23	24	24	25	25	27	26	27	24	24	25	24	24	25	36	36	36	37	37	37	37	37	37	37	37	
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	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	0	0	0	0	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	98	99	100	102	102	99	99	100	99	99	101	102	102	100	98	97	99	100	101	100	101	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	100	100
KNYR	HY02	97	98	99	101	101	98	98	99	98	98																																										

