

Availability at Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,028 MW
Hydro	1,745 MW
Distillate	0 MW
Total TNB	6,843 MW
Total IPP	11,703 MW
Total Co-Gen	0 MW
Total System	19,113 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	70,524	20.80 %
Gas	30,445	8.98 %
Hydro	11,526	3.40 %
Total TNB	112,495	33.17 %
ST-Coal	110,466	32.57 %
Gas	115,642	34.10 %
Total IPP	226,108	66.67 %
Co-Gen	826	0.24 %
Total Co-Gen	826	0.24 %
Total Generation	339,429	100.09 %
PLTG	993	0.29 %
HVDC	-685	-0.20 %
Interconnection	308	0.09 %
Net Energy	339,121	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	17,679 MW
TNB Generation	5,672 MW
IPP Generation	10,702 MW
Spinning Reserve	1,290 MW
Maximum Demand	16,397 MW
Net Energy	339,121 MWH
Load Factor	86.17 %

Fuel Cost

Total Cost:	46,469,339.52 RM
Cost per Unit	14.17 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	463
Hydro	704
Syncon	119
Thermal	179
Total	1,465

Time	Weather	Temperature
Afternoon	Hot	36
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	31
PAKA	44
PGPS	37
SRDG	23
TJGS	102
Total TNB	237

KLPP	96
MPSS	57
PDPS	7
PGLA	110
PKLG	7
PLPS	91
PTEK	17
SGB3	81
SGRI	185
SKSP	50
YPGS	70
YPKA	138
Total IPP	909
Total Gas	1,146

Total Gas Required 1,146

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	13702	12985	12476	12065	11703	11728	11835	11925	12285	14032	15021	15772	15780	15400	15914	16397	16247	15648	14529	14115	15123	15129	14601	14239

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	GT11	125	124	125	124	123	126	126	125	125	126	126	126	126	125	125	125	127	125	124	126	126	123	124	124	122	122	120	118	118	118	121	124	125	125	122	124	124	122	128	125	127	127	127	127	126	126	125					
YPGS	GT12	129	129	127	129	125	129	129	129	127	131	130	130	132	127	129	127	129	131	130	128	124	125	126	127	126	123	125	122	122	123	123	122	122	122	127	124	127	126	126	125	129	131	130	130	130	131	130	131	130	130		
YPGS	ST10	132	132	132	132	132	132	132	131	131	132	132	133	133	132	132	131	131	133	133	133	133	133	133	132	132	132	132	130	130	131	131	131	131	131	131	130	130	130	130	134	134	132	132	133	133	133	133	133	133			
YPKA	BLK1	372	374	374	376	376	374	375	375	374	374	376	376	376	375	375	375	375	374	374	368	368	366	366	366	364	364	363	363	365	365	362	363	362	363	362	363	363	363	363	363	366	367	367	366	366	371	371	372	372	374		
YPKA	BLK2	397	398	398	400	400	397	399	399	398	398	401	401	401	401	399	399	399	399	397	397	392	392	389	389	387	387	387	388	388	386	387	387	387	387	387	387	387	387	388	388	391	391	390	390	395	395	396	396	399			
PLPS	GT11	143	116	112	66	68	69	70	67	65	72	71	71	65	66	64	70	116	120	131	138	136	136	141	136	137	137	137	138	137	133	137	135	138	136	110	108	118	131	134	133	129	134	133	134	129							
PLPS	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	75	135	140	139	138	139	138	139	138	138	138	137	137	132	133	138	133	115	112	121	135	137	137	134	138	137	14	0									
PLPS	GT13	140	113	107	65	65	66	69	64	63	69	68	70	70	67	64	64	70	112	115	126	132	134	132	136	134	133	133	133	134	135	133	129	133	132	135	135	106	105	115	129	130	128	127	129	130	130	126					
PLPS	ST18	146	133	133	103	96	97	93	94	93	95	95	96	94	96	96	98	101	138	135	211	214	214	213	214	212	211	212	213	212	211	211	212	212	213	212	213	213	197	197	204	211	214	215	213	213	213	188	142				
SKSP	BLK1	241	284	253	333	240	229	225	240	213	245	218	264	254	336	214	212	241	211	273	213	306	337	337	337	326	232	266	321	217	340	332	299	315	336	305	287	223	214	214	311	236	336	338	315	249	338	329	229				
TJGS	GT1A	216	216	220	217	217	172	172	101	105	105	105	105	148	138	137	202	182	225	221	221	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	222	222	222	222	222	222	223	219	222	214	217	217	217			
TJGS	GT1B	215	215	218	215	218	172	172	97	105	105	105	105	148	137	136	199	184	223	223	220	220	220	220	220	220	220	220	220	220	221	221	218	218	218	222	222	222	222	222	222	225	222	222	222	222	214	217	217	217			
TJGS	ST1C	250	250	250	250	250	212	209	158	148	148	148	148	156	179	179	208	209	251	255	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	258	251	251	251	251				
Total CCGT-Gas		5817	5546	5261	5069	4798	4526	4490	4360	4137	4186	4063	4137	4260	4431	4161	4114	4437	5170	5899	6408	6793	6965	6962	6975	6942	6835	6848	7030	6898	6939	6921	6813	6729	6758	6663	6626	6416	6126	6104	6666	6794	6950	6931	6807	6608	6677	6463	5955				
PDP5	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		
PDP5	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	
PTEK	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	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	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	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11		
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	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	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	
KNRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	23	21	23	37	37	37	36	36	36	23	23	23	36	37	37	37	37	37	37	37	37	0	0	0	0	0	0	24	25	25	23	0	0	0	0
KNRG	HY02	24	22	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	20	21	37	37	37	37	37	37	21	21	21	38	37	37	37	37	37	37	37	38	25	22	23	24	22	22	23	22	22	23	23	23	
KNRG	HY03	0	0	0	0																																																

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
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	-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	32	32	28	30	28	29	27	28	26	30	30	27	37	34	33	37	33	32	28	33	39	38	41	38
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
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
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
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
Total Hydro		214	227	178	206	181	180	177	198	218	202	206	215	179	192	183	180	196	394	551	485	536	713	923	1016
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	CUFG	9	10	9	9	10	11	10	10	11	11	12	11	11	10	11	10	11	10	9	10	9	9	7	6
PCUF	CUFK	38	40	41	40	40	39	40	40	40	43	41	42	41	40	41	38	41	41	25	26	17	12	-2	24
Total Co-Gen		47	50	50	49	50	50	50	50	54	52	53	53	51	52	48	52	51	36	36	26	22	6	35	0
Total Gen		13710	13369	12995	12824	12542	12182	13075	11956	11741	11801	11704	11776	11850	12161	11899	11823	12241	13268	14111	14527	14996	15405	15757	15899
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
TIE-HVDC		-29	-30	-30	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		38	18	40	54	96	41	40	44	67	-50	5	27	44	69	2	139	-14	36	108	64	4	57	14	
Interconnection		8	-12	10	24	66	12	10	15	38	-79	-24	-2	15	41	-26	109	-44	8	79	35	-25	28	-15	
System Total		13702	13381	12985	12800	12476	12170	12065	11941	11703	11880	11728	11778	11835	12120	11925	11714	12285	13260	14032	14492	15021	15277	15772	15923
SRev ST-Coal		173	259	276	281	265	260	278	286	298	275	249	264	276	147	132	54	19	-5	165	192	159	182	165	
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
SRev CCGT-Gas		620	543	828	1020	1291	1563	1599	1729	1952	1903	2026	1952	1829	1658	1928	1975	1652	1154	911	683	413	241	244	
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
SRev Co-Gen		29	26	26	27	26	26	26	26	22	24	23	23	25	24	28	24	25	40	40	50	54	70	41	
Syncon		725	725	725	725	725	725	725	574	423	725	725	725	725	725	725	725	624	171	171	171	0	0	0	0
Hydro		245	82	131	103	128	129	132	262	394	108	103	94	130	117	126	129	113	366	767	833	782	776	816	
S.Reserve Total		1792	1635	1986	2156	2435	2703	2760	2877	3093	3033	3127	3058	2983	2672	2935	2911	2533	2164	2054	1919	1575	1280	1287	