

Availability at Daily Maximum Demand Hour

ST-Coal	2,880 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,308 MW
Hydro	1,728 MW
Distillate	0 MW
Total TNB	8,916 MW
Total IPP	9,847 MW
Total Co-Gen	88 MW
Total System	18,851 MW

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:	21:00:00 Hour
Total Set On Bus	14,870 MW
TNB Generation	6,455 MW
IPP Generation	6,980 MW
Spinning Reserve	1,409 MW
Maximum Demand	13,404 MW
Net Energy	287,907 MWH
Load Factor	89.50 %

Gas Usage

Station	(mmscfd)
GLGR	47
PAKA	132
PGPS	33
SRDG	5
TJGS	213
Total TNB	429

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	57,470	19.96 %
Gas	57,506	19.97 %
Hydro	6,493	2.26 %
Total TNB	121,469	42.19 %
ST-Coal	89,274	31.01 %
ST-Gas	3,869	1.34 %
Gas	73,386	25.49 %
Total IPP	166,529	57.84 %
Co-Gen	618	0.21 %
Total Co-Gen	618	0.21 %
Total Generation	288,616	100.25 %
PLTG	-19	-0.01 %
HVDC	728	0.25 %
Interconnection	709	0.25 %
Net Energy	287,907	100.00 %

Fuel Cost

Total Cost:	38,340,082.90 RM
Cost per Unit	13.58 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	377
Hydro	228
Syncon	497
Thermal	196
Total	1,298

KLPP	68
MPSS	31
PGLA	108
PLPS	67
SGB3	68
SGRI	50
YPGS	69
YPKA	101
PKLG	40
Total IPP	603

Total Gas 1,032
Total Gas Required 1,032
Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	28

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	13100	12552	12038	11631	11463	11286	11253	10884	10354	10915	11596	12155	12156	11972	12181	12168	12113	11910	11561	11881	13222	13404	13161	12929

Daily MW Generation on Sunday

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																										
UPIA	HY02	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2																										
Total Hydro		217	232	240	183	201	179	194	238	193	198	211	173	183	190	171	165	168	193	173	171	177	197	180	195	202	183	164	166	206	192	192	172	164	264	257	262	261	252	313	540	625	622	622	571	571	507	465	327		
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
PCUF	CUFG	3	4	3	4	4	4	4	3	6	5	5	5	5	5	6	6	4	6	6	5	5	4	2	4	3	2	2	1	2	2	2	1	3	3	2	1	3	3	2	3	2	4	3	4	3	3	3			
PCUF	CUFK	22	24	26	26	25	24	25	26	26	26	25	25	26	25	26	26	24	23	22	22	20	20	21	21	20	19	19	19	18	17	19	17	20	19	19	18	21	20	20	19	21	22	22	24	23	24	25	25		
Total Co-Gen		25	28	29	30	29	28	29	29	32	31	30	30	31	30	31	32	30	27	28	28	25	25	25	23	24	22	21	21	19	19	21	19	21	22	22	20	22	23	23	21	24	24	26	27	27	27	28	28		
Total Gen		13131	12963	12556	12285	12053	11901	11710	11563	11459	11314	11249	11082	11253	11180	10912	10445	10327	10751	10949	11259	11646	11872	12188	12283	12204	12049	11976	12062	12197	12230	12185	12276	12191	12171	11967	11848	11568	11725	11901	12796	13271	13435	13461	13330	13268	12970	12937	12654		
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	0
TIE-HVDC		31	31	31	30	30	30	30	30	30	29	30	30	31	31	31	31	31	31	30	30	31	31	31	30	30	31	31	31	31	30	30	31	31	30	30	30	30	30	30	30	31	31	31	31	31	31	31	31	30	
TIE-PLTG		0	-30	-26	-4	-15	-31	49	-25	-34	56	-66	1	-30	17	-2	8	-57	36	3	4	21	22	3	9	19	-28	-26	-56	-15	-44	-13	23	47	16	27	-3	-23	0	-10	9	19	62	26	84	76	-62	-23	-50		
Interconnection		31	0	4	26	15	-1	79	4	-4	86	-37	31	0	47	28	39	-27	67	34	34	50	53	33	38	48	3	4	-25	16	-14	17	54	78	46	57	27	7	30	20	39	49	93	57	115	107	-31	8	-21		
System Total		13100	12963	12552	12259	12038	11902	11631	11559	11463	11228	11286	11051	11253	11133	10884	10406	10354	10684	10915	11225	11596	11819	12155	12245	12156	12046	11972	12087	12181	12244	12168	12222	12113	12125	11910	11821	11561	11695	11881	12757	13222	13342	13494	13215	13161	13001	12929	12675		
SRev ST-Coal		31	19	23	33	18	18	29	2	23	48	62	158	156	109	244	672	733	423	301	228	216	212	211	194	209	184	206	178	162	170	169	165	144	368	458	451	474	513	497	415	294	259	242	362	356	445	140	178		
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	107	-4	-4	60	31	0	0	0			
SRev CCGT-Gas		160	111	329	375	275	324	520	738	779	903	966	1090	970	1233	1408	1524	1505	1425	1301	1165	862	703	429	360	414	581	606	611	557	519	589	549	923	967	1031	1133	1168	953	853	370	271	260	257	232	210	266	419	522		
SRev ST-Gas		67	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37		
SRev Co-Gen		63	60	59	58	59	60	59	59	56	57	58	58	57	58	57	56	58	61	60	60	63	63	63	65	64	66	67	67	69	69	67	69	67	66	66	68	66	65	65	67	64	64	62	61	61	61	60	60		
Syncon		676	676	525	827	827	827	827	676	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	
Hydro		82	217	360	115	97	119	104	211	105	251	87	125	115	259	127	133	130	256	125	127	121	252	118	254	298	216	134	132	243	106	257	126	134	437	444	439	440	449	438	411	527	530	530	481	481	444	486	222		
S.Reserve Total		1229	1120	1333	1445	1313	1385	1576	1723	1827	1972	2037	2295	2162	2372	2700	3249	3290	2878	2651	2444	2126	1943	1685	1586	1647	1810	1877	1852	1744	1727	1794	1773	2132	2299	2460	2552	2609	2441	2314	1729	1594	1435	1409	1518	1469	1682	1567	1695		