

Availability at Daily Maximum Demand Hour

ST-Coal	3,060 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,162 MW
Hydro	1,692 MW
Distillate	0 MW
Total TNB	8,914 MW
Total IPP	9,104 MW
Total Co-Gen	0 MW
Total System	18,018 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:	20:30	00:00:00 Hour
Total Set On Bus	14,754 MW	
TNB Generation	6,327 MW	
IPP Generation	7,129 MW	
Spinning Reserve	1,251 MW	
Maximum Demand	13,450	13,483 MW
Net Energy	293,564 MWH	
Load Factor	90.72 %	

Gas Usage

Station	(mmscfd)
CBPS	4
CBPS	28
GLGR	13
PAKA	179
PGPS	28
TJGS	217
Total TNB	468
KLPP	70
MPSS	43
PGLA	110
PLPS	87
SGB3	36
SGRI	187
SKSP	56
YPGS	33
YPKA	67
PKLG	42
Total IPP	730
Total Gas	1,199
Total Gas Required	1,199

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	65,742	22.39 %
Gas	63,372	21.59 %
Hydro	8,196	2.79 %
Total TNB	137,310	46.77 %
ST-Coal	61,872	21.08 %
ST-Gas	4,136	1.41 %
Gas	89,053	30.34 %
Total IPP	155,061	52.82 %
Co-Gen	1,146	0.39 %
Total Co-Gen	1,146	0.39 %
Total Generation	293,517	99.98 %
PLTG	361	0.12 %
HVDC	-408	-0.14 %
Interconnection	-47	-0.02 %
Net Energy	293,564	100.00 %

Fuel Cost

Total Cost:	43,402,292.43 RM
Cost per Unit	15.21 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	248
Hydro	322
Syncon	365
Thermal	87
Total	1,022

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	34
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	13484	13010	12488	12103	11773	11425	11333	10829	10477	11034	11711	12263	12298	12186	12388	12437	12471	12220	11951	12266	13415	13446	13345	13062

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																										
TMGR	HY01	35	35	37	29	28	29	30	32	29	30	30	33	29	30	29	30	30	32	35	29	26	32	30	39	31	33	35	31	41	57	36	79	36																	
TMGR	HY03	33	32	35	31	0	0	0	0	0	-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																
TMGR	HY04	35	35	37	33	30	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	-1	-1																
UPIA	HY01	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2																
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	4	4	4	4	4	4	4	4	4	4																
Total Hydro		424	439	343	285	245	249	216	222	217	238	217	223	218	218	213	239	219	235	225	234	242	313	323	312	255	255	205	229	266	290	309	209	219	227	212	204	241	219	242	660	711	722	755	720	1054	737	567	390		
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	CUPG	38	38	39	39	39	38	39	40	39	40	40	40	39	40	40	40	39	40	40	40	39	39	38	37	38	39	39	40	40	40	41	40	40	39	38	39	38	39	38	39	38	39	37	39	40					
PCUF	CUPK	9	8	8	10	8	8	8	9	8	9	8	8	9	9	8	10	7	9	9	8	9	9	7	9	10	9	8	9	8	10	9	8	9	10	9	9	9	8	8	9	10	9	8	8	8					
Total Co-Gen		47	46	47	49	47	46	47	49	47	49	48	48	48	49	48	48	50	47	48	48	45	48	49	48	46	46	47	47	49	49	48	49	51	49	49	49	48	46	47	47	49	46	47	49	46	47	48			
Total Gen		13503	13223	12981	12718	12461	12245	12085	11990	11752	11532	11496	11477	11371	11357	10861	10520	10444	10841	11022	11508	11681	12011	12242	12384	12327	12288	12218	12260	12388	12419	12464	12392	12496	12401	12263	12094	11930	11999	12228	13146	13371	13387	13396	13276	13331	13129	13074	12891		
TIB-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	
TIB-HVDC		-30	-29	-29	-30	-30	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-28	-28	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-29	-29	-29	-29	-28	-29	-28	-28	-29	
TIB-PLTG		50	-29	0	33	3	46	12	52	8	36	100	20	68	20	62	7	-4	4	17	58	-30	1	-21	1	29	95	32	13	0	36	27	10	25	19	43	21	-21	24	-38	34	-15	-34	-22	-138	15	-22	40	35		
Interconnection		19	-58	-29	3	-27	16	-18	23	-21	7	71	-10	38	-9	32	-22	-33	-25	-12	57	-30	1	-21	1	29	95	32	13	0	36	27	10	25	19	43	21	-21	24	-38	4	-44	-63	-50	-166	-14	-50	12	6		
System Total		13484	13281	13010	12715	12488	12229	12103	11967	11773	11525	11425	11487	11333	11366	10829	10542	10477	10866	11054	11451	11711	12010	12263	12383	12298	12193	12186	12247	12388	12383	12437	12382	12471	12382	12220	12073	11951	11975	12266	13142	13415	13450	13446	13442	13345	13179	13062	12885		
S.Rev ST-Coal		8	16	-9	69	84	78	71	136	145	144	81	87	72	106	141	148	167	12	84	91	79	112	86	83	95	103	132	102	113	110	93	94	99	92	104	69	73	71	97	137	71	39	70	-36	23	19	18	23		
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S.Rev CCGT-Gas		402	234	306	221	276	254	341	340	543	783	799	818	934	915	1335	1730	1767	1541	1420	933	781	334	277	196	185	213	347	429	326	320	432	404	306	296	650	723	987	986	701	318	234	225	219	350	495	336	215	223		
S.Rev ST-Gas		-1	-1	-1	-1	9	40	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	
S.Rev Co-Gen		-3	-2	-3	-5	-3	-2	-3	-5	-3	-5	-4	-4	-4	-4	-5	-5	-4	-4	-4	-6	-3	-4	-4	-2	-3	-4	-1	-4	-5	-4	-2	-2	-3	-3	-5	-5	-4	-5	-7	-5	-5	-4	-2	-3	-3	-5	-2	-3	-4	
Syncon		405	403	504	504	504	504	590	590	590	439	676	676	676	676	676	525	676	676	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	
Hydro		437	422	417	475	430	426	373	367	372	502	371	365	370	370	375	500	369	353	370	361	353	267	357	368	325	325	375	451	434	405	386	386	376	368	383	391	505	391	368	386	415	429	496	531	197	514	334	410		
S.Reserve Total		1251	1077	1219	1268	1305	1385	1414	1470	1689	1905	1965	1984	2090	2104	2564	2941	3017	2620	2394	1908	1735	1250	1259	1185	1142	1181	1391	1518	1410	1379	1457	1429	1325	1295	1679	1725	1955	1972	1692	1268	1121	1089	1171	1241	1138	1292	988	1178		