

Availability at Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,934 MW
Hydro	1,890 MW
Distillate	0 MW
Total TNB	7,894 MW
Total IPP	10,307 MW
Total Co-Gen	0 MW
Total System	18,771 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:	14:30:00 Hour
Total Set On Bus	14,541 MW
TNB Generation	4,715 MW
IPP Generation	8,864 MW
Spinning Reserve	961 MW
Maximum Demand	13,634 MW
Net Energy	299,788 MWH
Load Factor	91.62 %

Gas Usage

Station	(mmscfd)
CBPS	2
GLGR	57
PAKA	9
PGPS	43
SRDG	6
TJGS	163
Total TNB	280
KLPP	109
MPSS	60
PGLA	110
PLPS	90
SGB3	50
SGRI	202
SKSP	34
YPGS	68
YPKA	134
Total IPP	858
Total Gas	1,137
Total Gas Required	1,137

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	46,182	15.40 %
Gas	37,944	12.66 %
Hydro	13,371	4.46 %
Total TNB	97,497	32.52 %
ST-Coal	91,543	30.54 %
Gas	109,893	36.66 %
Total IPP	201,436	67.19 %
Co-Gen	43	0.01 %
Total Co-Gen	43	0.01 %
Total Generation	298,976	99.73 %
PLTG	-109	-0.04 %
HVDC	-703	-0.23 %
Interconnection	-812	-0.27 %
Net Energy	299,788	100.00 %

Fuel Cost

Total Cost:	41,670,053.25 RM
Cost per Unit	14.59 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	351
Hydro	132
Syncon	599
Thermal	42
Total	1,124

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	27

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	13353	12721	12260	11740	11555	11301	11213	10940	10925	12157	12984	13505	13398	13167	13488	13453	13311	12828	12311	12101	12847	12951	12723	12483

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																										
TMGR	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	87	86	86	87	86	81	86	84	87	86	87	87	85	87	0	0	0	0	0	84	86	87	87	86	86	87	87								
TMGR	HY03	34	33	35	34	37	38	34	33	33	34	34	31	31	33	30	32	34	36	41	85	80	79	80	76	72	75	74	77	77	77	75	75	75	75	34	33	31	30	30	34	75	76	76	74	74	69	71	71		
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	79	79	79	79	79	78	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79		
UPIA	HY01	2	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	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	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	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Total Hydro		253	268	306	253	486	506	445	454	502	502	481	409	473	443	453	331	306	251	289	746	842	855	875	839	805	679	690	718	879	962	897	923	861	824	444	341	246	208	208	408	616	613	631	648	613	606	542	592		
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	1	1	1	1	2	2	1	3	2	1	2	2	3	2	2	3	3	3	3	2	2	2	1	1	2	1	0	1	1	1	1	1	1	1	1	2	2	1	3	1	2	2	1	1	2	3	3	3	3	3
Total Co-Gen		1	1	1	1	2	2	1	3	2	1	2	2	3	2	2	3	3	3	3	3	2	2	2	1	1	2	1	0	1	1	1	1	1	1	1	1	2	2	1	3	1	2	2	1	1	2	3	3	3	3
Total Gen		13302	12975	12646	12337	12150	11928	11682	11599	11504	11406	11294	11160	11189	11023	10977	10531	10892	11458	12138	12438	12959	13146	13490	13498	13399	13238	13196	13332	13413	13580	13444	13440	13320	13299	12798	12701	12295	12198	12047	12471	12782	12960	12905	12948	12767	12642	12465	12406		
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	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-28	-28	-29	-29	-30	-30	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-30	
TIE-PLTG		-22	-15	-46	0	-81	-81	-29	-1	-21	-7	22	38	6	1	66	-32	-4	-36	11	-2	4	6	14	-6	31	1	-59	-14	-45	-25	19	13	39	-28	-1	2	13	1	-25	-45	-36	-26	-17	-18	73	19	12	-6		
Interconnection		-51	-44	-75	-29	-110	-110	-58	-31	-51	-36	-7	8	-24	-27	37	-61	-33	-65	-19	-30	-25	-24	-15	-36	1	-28	29	-44	-75	-54	-9	-16	9	-58	-30	-27	-16	-28	-54	-74	-65	-56	-46	-47	44	-11	-18	-35		
System Total		13353	13019	12721	12366	12260	12038	11740	11630	11555	11442	11301	11152	11213	11050	10940	10592	10925	11523	12157	12468	12984	13170	13805	13634	13398	13266	13167	13376	13488	13634	13453	13456	13311	13357	12828	12728	12311	12226	12101	12545	12847	13016	12951	12995	12723	12653	12483	12441		
S.Rev ST-Coal		95	38	15	101	72	24	84	101	101	99	112	90	61	79	75	195	154	33	-20	37	18	40	46	61	77	65	72	43	52	57	48	29	47	43	62	59	56	73	86	64	48	48	47	9	63	48	54	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		397	531	328	311	473	297	471	548	690	789	868	952	1008	1114	1193	1514	1269	859	410	583	381	205	216	157	199	221	266	187	224	135	215	174	214	203	305	651	967	1007	1146	944	856	675	530	543	351	484	368	588		
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	0
S.Rev Co-Gen		43	43	43	43	42	42	43	41	42	43	42	42	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41		
Syncon		726	726	575	726	625	474	625	474	474	625	625	625	625	474	726	726	827	827	655	655	655	655	655	504	655	504	655	554	554	554	554	554	640	489	741	827	827	741	504	504	655	655	655	655	505	504				
Hydro		93	78	191	93	61	192	102	93	196	196	66	138	74	104	269	115	140	94	56	79	58	45	25	61	246	121	261	82	172	139	355	178	240	127	188	342	185	137	137	132	185	188	58	41	76	83	69	170		
S.Reserve Total		1354	1416	1152	1274	1273	1029	1325	1488	1503	1601	1713	1847	1809	1964	2053	2591	2330	1854	1314	1396	1154	987	986	978	1077	1163	1205	1044	1078	961	1097	978	1098	969	1237	1584	1990	2087	2238	1923	1636	1458	1332	1289	1186	1311	1037	1326		