

Availability at Daily Maximum Demand Hour

ST-Coal	3,080 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	5,516 MW
Hydro	1,779 MW
Distillate	0 MW
Total TNB	10,375 MW
Total IPP	10,865 MW
Total Co-Gen	40 MW
Total System	21,562 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	68,641	20.96 %
Gas	68,308	20.86 %
Hydro	12,094	3.69 %
Total TNB	149,043	45.51 %
ST-Coal	126,631	38.66 %
Gas	50,235	15.34 %
Total IPP	176,866	54.00 %
Co-Gen	872	0.27 %
Total Co-Gen	872	0.27 %
Total Generation	326,781	99.78 %
PLTG	23	0.01 %
EGAT	-33	-0.01 %
HVDC	-726	-0.22 %
Interconnection	-736	-0.22 %
Net Energy	327,517	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:	20:30:00 Hour
Total Set On Bus	16,359 MW
TNB Generation	6,628 MW
IPP Generation	8,110 MW
Spinning Reserve	1,583 MW
Maximum Demand	14,800 MW
Net Energy	327,517 MWH
Load Factor	92.21 %

Fuel Cost

Total Cost:	39,944,518.25 RM
Cost per Unit	12.70 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	449
Hydro	432
Syncon	439
Thermal	291
Total	1,611

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
CBPS	51
GLGR	53
NPRI	144
PAKA	1
TJGS	217
Total TNB	466
KLPP	71
PGLA	96
PKLG	3
PLPS	95
PTEK	3
SGRI	127
Total IPP	395
Total Gas	861
Total Gas Required	861

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	14336	13822	13355	12933	12550	12220	12148	11947	11681	12795	13629	14234	14363	14090	14339	14512	14454	14194	13713	13625	14654	14735	14425	14349

Daily MW Generation on Saturday

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
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
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
Total 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
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
BSIA	HY02	12	11	11	11	12	11	11	11	12	12	12	12	12	23	23	23	23	24	24	24	24	24	23	23
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
CEND	HY01	7	7	7	7	7	7	7	7	7	7	7	7	7	9	9	10	9	10	10	10	10	10	10	9
CEND	HY02	7	7	7	7	7	7	7	7	7	7	7	7	7	10	10	10	10	10	9	10	9	10	10	10
CEND	HY03	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
HTRG	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
KNRG	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
KNRG	HY02	20	22	21	20	22	22	22	20	19	21	21	23	22	21	20	21	21	21	20	23	24	34	36	36
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
KNYR	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
KNYR	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
KNYR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
KNYR	HY04	59	64	70	53	60	71	69	73	56	98	70	104	102	61	55	98	72	102	59	103	101	103	95	60
LPJA	HY02	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
MNDR	HY01	7	7	7	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
PGAU	HY01	83	130	110	82	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	78	18	19	13	19	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	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
SIHY	HY01	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY03	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY01	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY02	25	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	25	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	25	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	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	HY03	-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	78	33	33	26	32	32	33	32	29	28	33	32	38	34	33	31	36	37	37	34	37	36	42	40
UPLA	HY02	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Total Hydro		873	421	307	244	201	195	214	207	173	171	220	192	235	228	185	175	224	200	230	184	271	451	657	
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	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUFK	17	19	18	17	18	18	18	19	19	18	18	17	17	18	18	18	18	18	18	18	18	18	18	18
Total Co-Gen		37	19	18	17	18	38	38	39	39	38	38	37	37	39	37	38	39	39	37	38	38	38	38	38
Total Gen		14357	14081	13754	13530	13379	12975	12937	12676	12500	12308	12181	12126	12102	12093	11956	11722	11609	12348	12750	13246	13577	14029	14188	
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	-29	-29	-29	-29	-30	-30	-29	-29	-29	-31	-29	-38	-30	-30	-29	-29	-29	-29	-35	-32	-33	-30	-31
TIE-PLTG		50	-30	-39	45	53	-45	34	-7	-22	-47	-10	-5	-16	27	38	84	-43	-36	-15	62	-22	14	-17	6
Interconnection		21	-59	-68	16	24	-74	4	-37	-50	-76	-39	-35	-46	-2	9	52	-72	-74	-45	32	-52	-15	-46	-22
System Total		14336	14140	13822	13514	13355	13049	12933	12713	12550	12384	12220	12161	12148	12095	11947	11670	11681	12322	12795	13214	13629	14044	14234	
SRev ST-Coal		363	364	369	392	371	356	372	423	423	420	460	421	383	410	417	409	419	414	388	361	342	348	349	316
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

Daily MW Generation on Saturday

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																											
SRev CCGT-Gas		232	239	202	336	467	722	762	882	1078	1220	1387	1485	1228	1205	1300	1528	1683	1198	886	583	365	80	126	179	216	328	466	483	316	384	354	402	426	443	665	728	908	1028	1051	764	605	562	679	774	531	470	477	212			
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	0	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		3	21	22	23	22	2	2	2	1	1	2	2	3	3	1	3	2	1	1	3	2	3	2	3	2	2	2	2	2	2	2	2	2	1	3	3	1	1	1	1	2	2	3	2	3	1	2	0			
Syncon		651	651	651	651	651	651	651	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	802	449	449	550	550	399	550	323	323	323	323	323	449	449	550	550	550	378	277	151	151	151	0	86	86	187	378
Hydro		223	275	289	352	395	251	382	389	272	274	225	253	210	217	260	270	221	245	215	261	242	237	216	438	457	452	464	529	320	439	453	410	415	350	358	360	355	359	329	404	485	537	552	402	548	709	737	337			
S.Reserve Total		1487	1565	1548	1769	1921	2147	2334	2512	2591	2732	2891	2978	2641	2652	2795	3027	3142	2675	2307	2025	1768	1485	1511	1399	1470	1705	1826	1844	1614	1470	1382	1369	1405	1483	1711	1885	2153	2297	2157	1729	1482	1583	1649	1530	1480	1618	1740	1053			