

Availability at Daily Maximum Demand Hour

ST-Coal	2,350 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,196 MW
Hydro	1,707 MW
Distillate	0 MW
Total TNB	8,253 MW
Total IPP	10,474 MW
Total Co-Gen	0 MW
Total System	19,291 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	52,320	16.38 %
Gas	50,734	15.88 %
Hydro	10,430	3.27 %
Total TNB	113,484	35.53 %
ST-Coal	108,091	33.84 %
Gas	95,850	30.00 %
Total IPP	203,941	63.84 %
Co-Gen	1,359	0.43 %
Total Co-Gen	1,359	0.43 %
Total Generation	318,784	99.79 %
PLTG	70	0.02 %
EGAT	-33	-0.01 %
HVDC	-700	-0.22 %
Interconnection	-663	-0.21 %
Net Energy	319,447	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:	20:00:00 Hour
Total Set On Bus	15,554 MW
TNB Generation	5,101 MW
IPP Generation	9,224 MW
Spinning Reserve	1,177 MW
Maximum Demand	14,468 MW
Net Energy	319,447 MWH
Load Factor	92.00 %

Fuel Cost

Total Cost:	43,463,763.73 RM
Cost per Unit	14.09 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	371
Hydro	524
Syncon	391
Thermal	101
Total	1,387

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
CBPS	2
GLGR	55
PAKA	58
PGPS	37
TJGS	216
Total TNB	367
KLPP	95
PGLA	105
PLPS	105
SGB3	92
SGRI	143
YPGS	69
YPKA	135
Total IPP	744
Total Gas	1,111

Total Gas Required 1,111

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	13901	13344	12863	12481	12087	11881	11747	11517	11347	12622	13573	14116	14085	13893	14070	14241	14243	13856	13435	13442	14468	14432	14111	13890

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																										
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		419	271	213	187	183	168	179	165	175	176	182	180	179	177	153	167	169	207	181	227	477	500	659	670	835	695	625	637	641	738	705	712	713	700	533	473	460	417	468	689	690	681	695	634	562	431	399	233		
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	33	33	35	35	36	36	34	35	34	36	35	35	35	35	37	34	34	35	35	33	34	33	33	33	33	33	31	31	32	32	31	31	31	31	32	33	33	31	30	32	32	34	33	33	33	32	32			
PCUF	CUFK	21	22	23	24	23	24	26	26	27	26	26	26	26	28	28	28	29	27	25	25	24	23	20	21	20	20	20	21	21	21	21	21	22	21	21	22	21	21	23	20	23	23	21	23	26	22	25			
Total Co-Gen		54	55	58	59	59	60	60	61	61	62	61	61	61	61	65	62	62	64	62	58	59	57	56	53	54	53	53	51	52	53	53	52	52	53	52	53	55	54	52	53	52	55	57	54	56	59	54	57		
Total Gen		13873	13497	13302	13033	12797	12429	12438	12154	12065	11913	11811	11694	11706	11748	11551	11368	11328	12178	12597	13039	13589	13746	14100	14124	14111	13905	13922	13926	14051	14243	14183	14178	14219	14209	13809	13604	13392	13185	13382	14026	14377	14319	14390	14269	14101	14047	13876	13655		
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	-29	-29	-29	-29	-30	-30	-29	-29	-28	-28	-29	-29	-30	-30	-30	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	
TIE-PLTG		1	11	-13	37	-36	-35	-13	18	-53	15	-41	-17	-12	-20	64	16	11	23	4	64	44	-9	13	8	-55	62	-59	-43	11	16	-29	31	5	21	-18	-16	-14	-36	-31	16	-62	-47	-13	72	19	-9	15	-1		
Interconnection		-28	-18	-42	8	-66	-64	-43	-11	-82	-14	-70	-46	-41	-49	34	-14	-19	-6	-25	35	16	-38	-16	-21	26	33	29	-73	-19	-13	-58	2	-24	-7	-47	-45	-43	-65	-60	-13	-91	-77	-42	43	-10	-38	-14	-30		
System Total		13901	13515	13344	13025	12863	12493	12481	12165	12087	11927	11881	11740	11747	11797	11517	11382	11347	12184	12622	13004	13573	13784	14116	14145	14085	13872	13893	13999	14070	14256	14241	14176	14243	14216	13856	13649	13435	13220	13442	14039	14468	14396	14432	14226	14111	14085	13890	13685		
SRev ST-Coal		71	77	7	33	11	19	17	38	21	22	18	37	10	17	36	9	20	129	136	140	233	160	96	105	100	122	101	109	96	119	128	61	120	33	43	31	20	32	33	35	26	43	49	40	37	11	86	88		
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	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		292	515	299	517	539	744	748	743	919	1012	1123	1219	1163	1112	1270	1491	1522	925	957	774	477	459	327	302	486	529	463	461	294	177	195	193	187	179	431	772	984	1165	986	562	220	255	194	260	221	173	232	288		
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	0
SRev Co-Gen		34	33	30	29	29	28	28	27	27	26	27	27	27	23	26	26	-20	-18	-14	-15	-13	-12	-9	-10	-9	-9	-7	-8	-9	-9	-8	-8	-9	-9	-11	-10	-8	-9	-8	-11	-10	-13	-10	-12	-15	-10	-13			
Syncon		726	726	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	827	827	827	827	827		
Hydro		102	150	107	133	113	128	117	131	121	120	114	116	117	119	143	129	125	233	108	162	349	865	856	845	730	820	890	902	898	499	381	374	373	336	293	117	130	173	122	251	250	259	249	202	174	104	156	101		
S.Reserve Total		1225	1501	1270	1539	1519	1746	1737	1766	1915	2007	2109	2226	2144	2102	2299	2482	2522	1950	2010	1889	1669	1557	1353	1329	1392	1548	1531	1551	1366	1174	1234	1159	1211	1078	1384	1622	1834	2071	1844	1378	1177	1235	1018	1117	1045	999	1170	1291		