

Availability at Daily Maximum Demand Hour

ST-Coal	3,080 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,088 MW
Hydro	1,783 MW
Distillate	0 MW
Total TNB	8,951 MW
Total IPP	10,430 MW
Total Co-Gen	0 MW
Total System	19,381 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	69,407	20.64 %
Gas	59,948	17.83 %
Hydro	16,103	4.79 %
Total TNB	145,458	43.25 %
ST-Coal	89,150	26.51 %
ST-Gas	994	0.30 %
Gas	99,968	29.73 %
Total IPP	190,112	56.53 %
Co-Gen	783	0.23 %
Total Co-Gen	783	0.23 %
Total Generation	336,353	100.01 %
PLTG	-679	-0.20 %
HVDC	729	0.22 %
Interconnection	50	0.01 %
Net Energy	336,303	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:	16:00:00 Hour
Total Set On Bus	17,067 MW
TNB Generation	6,978 MW
IPP Generation	8,849 MW
Spinning Reserve	1,211 MW
Maximum Demand	15,866 MW
Net Energy	336,303 MWH
Load Factor	88.32 %

Fuel Cost

Total Cost:	50,611,582.80 RM
Cost per Unit	15.80 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	340
Hydro	426
Syncon	326
Thermal	152
Total	1,244

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
CBPS	44
GLGR	55
PAKA	136
PGPS	40
SRDG	23
TJGS	167
Total TNB	466

KLPP	101
MPSS	52
PDPS	3
PGLA	108
PKLG	10
PLPS	98
PTEK	2
SGB3	96
SGRI	104
SKSP	2
YPGS	69
YPAK	136
PKLG	10
Total IPP	791
Total Gas	1,257

Total Gas Required 1,257

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	13555	12950	12466	12264	12015	12059	12029	11666	12206	13944	14841	15386	15320	14912	15153	15769	15866	15446	14577	14254	14952	15077	14760	14457

Daily MW Generation on Friday

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																									
PGAU	HY01	20	0	0	0	0	0	0	0	0	0	0	0	0	0	21	83	20	20	19	19	19	19	21	22	21	21	21	21	22	21	21	0	0	0	0	23	23	21	22	22	22	21							
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	-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	-1	-1	-1	-1	-1						
PGAU	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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1					
PGAU	HY04	-1	-1	-1	23	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22				
SIHY	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
SIHY	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
SIHY	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	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	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	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	17	56	56	59	59	57	44	31	30	-1	-1	60	59	60	53	55	59	33	32	-1	-1	-1	49	50	52	53	84	84	84					
TMGR	HY02	39	43	42	39	41	40	40	41	41	41	39	40	40	32	40	44	34	34	40	57	56	59	59	59	48	29	34	34	33	64	58	63	55	58	55	35	32	35	36	42	55	52	56	88	87	85			
TMGR	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
TMGR	HY04	37	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	14	56	56	58	58	58	55	32	33	34	33	58	58	59	57	57	57	-1	-1	-1	-1	49	49	50	53	81	80	80						
UPLA	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	2	2	2	2	2	2	2	2	2	2	2				
UPLA	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	4	4	4	4	4	4	4	4	4	4	4				
Total Hydro		542	433	432	453	332	351	331	331	333	333	344	322	330	248	234	325	502	496	758	974	977	1003	1056	1028	986	675	681	725	809	1046	1039	1045	1003	1039	941	504	409	366	467	600	992	989	992	908	1032	1028	969		
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	
PCUF	CUFG	7	7	7	7	7	7	6	7	6	7	6	6	5	5	7	5	6	6	5	4	4	3	4	2	2	3	3	3	3	4	4	4	3	5	6	6	5	6	8	8	9	9	10	8	9	8	7		
PCUF	CUFK	27	28	29	29	28	29	29	30	30	31	30	27	29	29	28	28	27	28	26	27	27	28	30	29	29	27	23	25	26	25	25	25	25	24	25	24	25	23	26	26	25	26	24	24	24	25			
Total Co-Gen		34	35	36	36	35	36	36	37	37	33	35	34	33	35	34	33	32	32	31	30	32	32	30	26	28	30	29	29	28	30	30	31	29	31	31	34	35	34	36	32	33	32	32	32					
Total Gen		13562	13347	12945	12718	12499	12486	12238	12118	11994	12112	12058	11960	12038	12054	11797	11821	12269	13100	13953	14387	14799	15185	15380	15543	15348	15195	14940	14950	15114	15528	15770	15805	15856	15756	15469	14896	14538	14327	14224	14497	14837	15181	15064	14932	14764	14634	14443	14224	
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		
TIE-HVDC		31	30	30	31	31	31	31	31	31	29	29	31	31	31	30	30	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	31	31	30	30	31	31	31	32	31	29	31	31	31					
TIE-PLTG		-24	-33	-35	-12	2	-1	-57	-27	-52	-36	-31	9	-20	-21	99	-31	33	-57	-22	-30	-73	-34	-36	-44	-3	21	-1	-21	-69	-11	-29	-67	-40	31	-6	-11	-70	-50	-60	-72	-146	-32	-45	-53	-25	1	-44	-25	
Interconnection		7	-3	-5	18	33	30	-26	3	-21	-5	-1	38	9	10	131	0	63	-27	9	1	-42	-4	-6	-14	28	51	28	9	-39	19	1	-38	-10	61	23	20	-39	-19	-30	-41	-115	-1	-13	-22	4	32	-14	6	
System Total		13585	13350	12950	12700	12466	12376	12264	12115	12015	12117	12059	11922	12029	12044	11666	11821	12206	13127	13944	14386	14841	15189	15386	15557	15320	15144	14912	14941	15153	15509	15769	15843	15866	15695	15446	14876	14577	14346	14254	14538	14952	15182	15077	14954	14760	14602	14487	14218	
S.Rev ST-Coal		9	83	142	126	19	30	24	48	3	-32	34	47	44	39	59	35	32	23	110	115	260	56	131	161	155	148	147	141	137	137	151	153	128	137	146	143	160	141	134	168	126	147	141	163	158	185	144	164	
S.Rev CCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43	14	17	18	90	129	132	130	18	32	149	148	150	154	182	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S.Rev CCGT-Gas		514	289	437	468	582	684	838	934	1106	1023	1093	1185	1090	1086	1240	1228	1259	1132	461	382	337	336	238	311	363	441	384	386	378	322	265	238	236	310	330	480	304	430	540	332	169	238	407	246	200	200	453	379	
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
S.Rev Co-Gen		10	9	8	8	9	8	8	8	7	7	11	9	10	11	9	10	11	11	14	13	14	12	12	13	12	14	18	16	14	15	15	15	16	14	14	13	15	15	13	10	9	10	8	12	11	12	12		
Syncon		539	625	625	474	726	726	726	726	726	575	726	726	726	575	474	474	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302	302		
Hydro		260	83	84	214	83	64	84	84	82	82	82	222	93	85	167	81	241	265	271	515	399	496	470	417	445	487	598	592	376	392	377	384	378	420	535	407	308	403	298	459	326	481	484	481	465	341	345	354	
S.Reserve Total		1432	1089	1296	1290	1419	1512	1680	1800	1924	1806	1942	2040	1962	1946	2293	2179	2117	1904	1327	1325	1355	1217	1172	1222	1367	1520	1575	1565	1315	1287	1301	1266	1215	1365	1384	1372	1283	1464	1666	1504	1214	1184	1351	1207	1144	1047	1238	1206	