

Availability at Daily Maximum Demand Hour

ST-Coal	2,780 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,092 MW
Hydro	1,837 MW
Distillate	0 MW
Total TNB	8,709 MW
Total IPP	9,757 MW
Total Co-Gen	0 MW
Total System	19,030 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	58,615	17.58 %
Gas	69,500	20.85 %
Hydro	13,729	4.12 %
Total TNB	141,844	42.55 %
ST-Coal	89,225	26.77 %
Gas	101,484	30.44 %
Total IPP	190,709	57.21 %
Co-Gen	783	0.23 %
Total Co-Gen	783	0.23 %
Total Generation	333,336	100.00 %
PLTG	-728	-0.22 %
HVDC	727	0.22 %
Interconnection	-1	0.00 %
Net Energy	333,337	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:	15:00:00 Hour
Total Set On Bus	17,059 MW
TNB Generation	6,696 MW
IPP Generation	8,826 MW
Spinning Reserve	1,508 MW
Maximum Demand	15,552 MW
Net Energy	333,337 MWH
Load Factor	89.31 %

Fuel Cost

Total Cost:	54,608,626.73 RM
Cost per Unit	17.08 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	361
Hydro	387
Syncon	431
Thermal	128
Total	1,307

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
CBPS	5
CBPS	57
GLGR	56
PAKA	192
PGPS	42
SRDG	28
TJGS	168
Total TNB	548
KLPP	113
MPSS	60
PDPS	16
PGLA	80
PKLG	13
PLPS	101
PTEK	8
SGB3	98
SGRI	110
YPGS	69
YPKA	138
Total IPP	806
Total Gas	1,354
Total Gas Required	1,354

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	13632	12927	12491	12151	12010	11919	11807	11623	12120	13728	14669	15242	15141	14775	15340	15552	15513	15096	14381	14201	14887	14929	14731	14311

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																										
LPIA	HY01	14	5	6	7	7	7	7	8	8	8	8	9	9	9	9	9	8	7	7	7	8	8	9	7	8	15	15	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14						
LPIA	HY02	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11			
MNOR	HY01	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	4	3	3	3	3	4	4	4	4	4	1	1	1	1	1	1	1	1	1	1	1	1	4	4	4	4	4	0	0				
PGAU	HY01	21	20	20	0	0	0	0	0	0	0	0	0	0	21	113	22	22	22	22	22	21	21	21	21	21	21	0	0	0	0	0	0	0	0	0	0	0	0	0	20	20	21	21	21	21	21	20			
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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1				
PGAU	HY03	22	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-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	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	50	50	0	0	0	0	50	30	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	49	0	0	0	0	0	0		
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	50	50	0	0	0	0	30	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	50	50	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	0	0		
SYPS	HY01	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	25	25	0	0	0	0	16	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	50	49	0	0	0	0	0	0			
SYPS	HY02	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	25	25	0	0	0	0	16	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	50	49	0	0	0	0	0	0			
TMGR	HY01	54	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	51	30	35	49	43	-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			
TMGR	HY02	52	53	58	31	32	32	35	35	34	41	36	34	32	35	33	35	35	35	36	52	34	51	53	49	44	46	46	49	49	51	30	46	59	53	30	34	36	35	39	26	45	40	34	45	34	40	40	50		
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	0	0		
TMGR	HY04	-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	-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	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	4	4	4	4	4	4	4	4	4	4	4	4	4	4		
Total Hydro		606	467	496	425	435	303	350	349	351	357	351	249	243	252	248	251	251	250	600	774	633	683	802	871	848	638	523	583	805	871	767	778	794	763	627	549	431	431	395	533	760	982	965	877	820	710	602	608		
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	
PCUF	CUFG	15	5	5	4	5	6	5	5	7	6	5	5	5	5	4	5	5	3	4	4	3	2	3	4	4	4	4	4	3	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8			
PCUF	CUFK	29	30	29	29	29	29	30	29	29	28	30	28	29	28	29	29	28	26	25	24	23	26	25	25	24	23	23	25	23	25	25	26	25	27	28	25	27	26	26	29	29	28	30	28	29	28	29	28	29	
Total Co-Gen		44	35	34	33	34	35	34	36	35	33	35	33	35	33	36	34	34	34	33	31	29	29	29	29	29	29	27	25	26	29	27	29	29	29	31	34	35	32	34	33	33	35	36	35	37	35	37			
Total Gen		13655	13262	12891	12709	12803	12181	12127	12025	11987	12090	11929	11868	11759	11840	11783	11659	12143	12968	13718	14256	14627	14946	18180	15310	15186	14936	14815	15017	15389	15474	15551	15503	15533	15485	15109	14683	14371	14177	14194	14385	14882	15092	14963	14887	14736	14575	14324	14028		
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		51	31	30	30	30	30	30	30	30	30	30	30	30	31	31	31	31	31	31	30	30	30	30	31	31	31	31	31	31	31	31	31	31	30	30	30	30	29	29	30	30	30	30	30	30	30	30	31		
TIE-PLTG		-8	-69	-66	-4	-18	-54	-55	7	-53	-52	-20	-53	-78	-47	50	-5	-7	-35	-40	-69	-73	-32	-93	-27	15	32	10	-81	-12	-85	-33	-40	-11	-32	-16	-76	-40	35	-38	4	-34	-25	4	-6	-25	-38	-17	-46		
Interconnection		23	-39	-36	27	12	-24	-24	38	-23	-22	10	-22	-48	-17	80	25	23	-4	-10	-39	-42	-2	-62	4	45	62	40	-51	19	-54	-1	-9	20	-2	13	-46	-10	65	-7	34	-5	5	34	24	5	-8	13	-16		
System Total		13632	13301	12927	12682	12491	12205	12151	11987	12010	12022	11919	11890	11807	11857	11623	11634	12120	12972	13728	14295	14669	14948	15242	15306	15141	14874	14775	15068	15340	15528	15552	15512	15513	15487	15096	14729	14381	14112	14201	14351	14887	15087	14929	14863	14731	14583	14311	14044		
SRev ST-Coal		98	99	51	5	1	-2	62	70	59	66	67	16	6	32	16	3	21	-26	134	72	33	7	169	166	111	120	130	133	167	115	119	159	145	145	158	157	155	166	148	153	145	141	-152	151	146	79	108	53		
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	70	270	167	102	134	191	313	316	270	183	108	165	102	86	110	260	55	3	28	28	28	28	27	28	0	0	0	0	0	0	0
SRev CCGT-Gas		347	198	381	487	708	902	972	991	1044	1029	1098	1143	1254	1158	1305	1368	1102	740	390	226	243	201	185	197	297	286	279	238	179	255	226	211	217	210	287	298	440	599	561	505	242	259	361	281	379	261	373	376		
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		0	9	10	11	10	9	9	10	8	9	11	9	11	9	11	8	10	10	10	11	13	15	15	16	15	15	15	17	19	18	15	17	15	15	15	13	10	9	12	10	11	11	9	8	9	7	9	7		
Syncon		237	474	474	474	474	575	575	575	575	575	575	676	676	676	676	676	676	676	344	495	302	151	302	302	302	474	474	474	388	388	388	575	575	575	726	726	827	827	827	575	539	539	539	237	539	539	539	539		
Hydro		552	404																																																