

Availability at Daily Maximum Demand Hour

ST-Coal	2,990 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,182 MW
Hydro	1,696 MW
Distillate	0 MW
Total TNB	8,868 MW
Total IPP	10,348 MW
Total Co-Gen	0 MW
Total System	19,733 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	66,821	20.21 %
Gas	53,178	16.09 %
Hydro	12,077	3.65 %
Total TNB	132,076	39.95 %
ST-Coal	94,116	28.47 %
Gas	104,159	31.51 %
Total IPP	198,275	59.98 %
Co-Gen	1,418	0.43 %
Total Co-Gen	1,418	0.43 %
Total Generation	331,769	100.36 %
PLTG	452	0.14 %
HVDC	733	0.22 %
Interconnection	1,185	0.36 %
Net Energy	330,584	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:	15:30:00 Hour
Total Set On Bus	17,522 MW
TNB Generation	6,741 MW
IPP Generation	9,531 MW
Spinning Reserve	1,195 MW
Maximum Demand	16,291 MW
Net Energy	330,584 MWH
Load Factor	84.55 %

Fuel Cost

Total Cost:	48,064,091.85 RM
Cost per Unit	15.03 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	573
Hydro	228
Syncon	515
Thermal	24
Total	1,340

Time Weather Temperature

Afternoon	Hot	35
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
CBPS	12
GLGR	54
PAKA	68
PGPS	38
SRDG	17
TJGS	206
Total TNB	395
KLPP	96
MPSS	50
PDPS	4
PGLA	101
PLPS	91
SGB3	67
SGRI	186
SKSP	32
YPGS	56
YPKA	130
Total IPP	812
Total Gas	1,207
Total Gas Required	1,207

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	12266	11790	11268	10957	10741	10650	10947	11047	11776	13828	14959	15676	15640	15301	15901	16183	16229	15864	14551	14192	15432	15287	14846	14278

Daily MW Generation on Monday

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																									
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	30	30	50	50	50	30	0	0	50	50	50	50	50	50	50	0	0	0	0	0	30	30	30	0	0	0	0	0						
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	49	49	0	0	0	0	0	0	0	0	0	0	30	30	0	0	0	0	0	0						
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25	25	25	16	0	0	0	0	0	0	16	16	16	0	0	0	0	0							
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	25	25	25	25	25	25	25	25	25	25	25	16	0	0	0	0	0	0	17	17	17	0	0	0	0	0								
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	25	25	25	25	25	25	25	25	25	25	16	0	0	0	0	0	0	16	16	16	0	0	0	0	0									
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	86	81	85	86	84	81	80	35	86	86	86	80	86	82	62	55	30	-1	-1	-1	85	82	82	80	82	72	-1	-1	-1						
TMGR	HY02	32	33	33	32	31	34	35	35	35	34	31	33	35	34	32	30	36	86	82	86	82	84	85	85	83	82	36	85	87	86	82	85	82	61	55	31	27	36	38	83	82	82	83	78	32	31	32		
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	89	81	90	83	84	89	86	83	83	33	88	88	85	82	85	83	62	55	-1	-1	0	-1	84	83	84	82	84	73	0	0	0			
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	83	81	79	78	35	83	83	81	77	81	79	60	55	32	25	-1	-1	81	80	80	79	80	75	35	35	-1						
UPIA	HY02	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6				
Total Hydro		192	174	199	163	159	168	271	179	190	238	239	238	267	269	218	213	179	357	417	613	668	724	941	1001	931	829	537	750	907	1192	1011	914	897	798	785	391	278	269	268	598	720	749	745	594	551	330	325	290	
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	CUFK	23	23	22	23	22	21	22	22	22	22	22	22	22	22	23	22	23	24	23	23	23	23	23	23	23	23	22	22	22	22	22	22	23	23	22	22	23	23	22	22	22	22	23	23	22	22	23	23	
PCUF	CUFK	36	38	39	40	40	40	41	39	41	40	41	40	41	41	41	40	41	40	38	36	34	33	34	33	33	33	33	32	32	33	33	34	32	35	36	36	35	36	35	36	35	37	36	37	36	37	39		
Total Co-Gen		59	61	61	63	62	61	62	63	60	63	62	63	63	63	64	62	63	63	60	58	56	55	56	55	55	56	57	55	55	56	55	56	54	57	58	58	57	59	57	60	59	59	59	58	60	62			
Total Gen		12281	12037	11803	11499	11320	11131	11028	10912	10782	10870	10754	10722	11064	11282	11137	11224	11821	13009	13934	14565	15062	15314	15644	15775	15688	15397	15306	15631	15849	16224	16228	16327	16280	16246	15911	15336	14678	14323	14247	15147	15483	15524	15360	15252	14979	14623	14309	14003	
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	
TIE-HVDC		30	31	31	31	31	31	31	31	31	31	31	31	30	30	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	
TIE-PLTG		-16	-14	-18	18	21	-6	40	17	11	13	74	-45	27	-3	60	22	15	94	76	36	72	33	-62	6	17	18	-25	17	-82	17	14	6	21	-26	16	55	96	15	24	21	20	48	42	29	102	21	0	-29	
Interconnection		15	16	13	49	52	25	71	47	41	43	104	-15	57	27	90	52	45	125	106	67	103	64	-32	37	48	49	5	47	-52	48	45	36	51	4	47	86	127	46	55	52	51	78	73	59	133	51	31	2	
System Total		12266	12021	11790	11480	11268	11106	10957	10865	10741	10827	10650	10737	10947	11255	11047	11172	11776	12884	13828	14498	14959	15250	15676	15738	15640	15348	15301	15584	15901	16176	16183	16291	16229	16242	15864	15250	14551	14277	14192	15095	15432	15446	15287	15193	14846	14572	14278	14001	
SRev ST-Coal		14	27	90	200	177	178	541	565	573	533	554	560	550	490	508	491	335	70	61	53	-20	15	-45	33	28	23	18	6	-6	-9	19	3	22	-9	37	51	123	29	41	40	45	44	36	31	129	32	40	30	
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	1	0	34	35	35	35	6	6	6	6	5	4	94	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		780	889	1085	1215	1412	1608	1436	1313	1557	1537	1649	1570	1335	1454	1602	1545	1212	1293	1173	918	642	459	405	450	517	762	566	467	416	482	567	386	448	415	488	568	681	1023	1145	538	517	509	676	618	750	777	954	774	
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		17	15	15	13	14	15	14	13	16	13	14	13	14	13	13	12	14	13	13	16	18	20	21	20	21	21	20	19	21	21	20	21	20	20	22	19	18	18	19	17	19	16	17	17	17	18	16	14	
Syncon		573	724	575	724	724	724	724	724	724	573	724	573	641	724	724	724	724	640	640	338	256	557	557	406	557	557	557	557	557	557	557	557	558	642	724	725	557	557	557	557	557	557	557	557	557	557	557	557	
Hydro		265	132	258	130	134	125	81	119	108	80	232	114	237	176	143	191	124	110	72	137	131	378	346	134	157	307	298	86	79	349	426	222	238	315	355	304	183	111	111	60	262	283	287	63	105	156	161	113	
S.Reserve Total		1649	1787	2021	2282	2461	2650	2796	2788	2998	2907	3022	2981	2709	2774	2990	2963	2409	2210	2043	1764	1411	1210	983	1195	1280	1553	1494	1170	1102	1104	1293	1195	1291	1303	1463	1594	1647	1905	2041	1212	1400	1409	1573	1286	1558	1624	1812	1655	