

Availability at Daily Maximum Demand Hour

ST-Coal	2,030 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,016 MW
Hydro	1,890 MW
Distillate	0 MW
Total TNB	7,936 MW
Total IPP	9,934 MW
Total Co-Gen	0 MW
Total System	17,870 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	47,739	14.09 %
Gas	78,804	23.26 %
Hydro	17,967	5.30 %
Distillate	805	0.24 %
Total TNB	145,315	42.89 %
ST-Coal	91,558	27.02 %
ST-Gas	1,605	0.47 %
ST-Oil	7,620	2.25 %
Gas	75,299	22.22 %
Distillate	17,227	5.08 %
Total IPP	193,309	57.05 %
Co-Gen	576	0.17 %
Total Co-Gen	576	0.17 %
Total Generation	339,200	100.11 %
PLTG	66	0.02 %
EGAT	-14	0.00 %
HVDC	305	0.09 %
Interconnection	357	0.11 %
Net Energy	338,843	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	17,317 MW
TNB Generation	7,124 MW
IPP Generation	9,182 MW
Spinning Reserve	991 MW
Maximum Demand	16,313 MW
Net Energy	338,843 MWH
Load Factor	86.54 %

Fuel Cost

Total Cost:	61,129,699.66 RM
Cost per Unit	19.00 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	405
Hydro	266
Syncon	325
Thermal	53
Total	1,049

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)	Station	(mmscfd)
CBPS	15	PDPS	6
CBPS	45	PGPS	7
GLGR	52	KLPP	13
PAKA	200	PGPS	7
PGGS	6	PLPS	51
PGPS	36	SGB3	42
SRDG	52	SGRI	46
TJGS	217	PKLG	75
Total TNB	624	Total	246
KLPP	96		
MPSS	62		
PDPS	13		
PGLA	113		
PKLG	19		
PLPS	26		
PTEK	14		
SGB3	18		
SGRI	43		
YPGS	70		
YPKA	104		
PKLG	17		
Total IPP	595		
Total Gas	1,218		
Total Gas Required	1,465		

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	13930	13174	12749	12452	11979	11914	12082	11919	12349	14018	14898	15629	15720	15374	15909	16218	15975	15611	14537	14132	15113	14967	14636	14491

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
CEND	HY01	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
CEND	HY02	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
CEND	HY03	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY04	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
KNRG	HY01	22	22	22	22	23	0	0	0	0	0	0	0	0	35	35	35	35	35	35	24	24	24	23	23
KNRG	HY02	22	24	22	22	24	23	24	22	24	25	23	23	24	36	36	36	36	36	26	25	25	24	23	24
KNRG	HY03	20	21	20	21	22	21	0	0	0	0	0	0	0	36	36	36	36	36	22	22	22	23	21	22
KNYR	HY01	97	97	97	98	97	97	98	98	97	97	97	97	97	59	97	97	97	97	97	97	97	61	60	97
KNYR	HY02	65	99	71	66	100	94	100	50	56	85	66	51	100	99	58	54	83	57	61	99	66	99	63	62
KNYR	HY03	97	97	97	98	98	98	90	95	98	96	91	98	97	53	98	97	97	97	97	97	97	97	97	97
KNYR	HY04	97	97	77	0	0	0	55	61	56	51	60	69	57	53	97	97	97	97	97	97	97	97	97	97
LPIA	HY02	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
MNOR	HY01	7	7	7	7	3	3	3	3	3	3	3	3	3	3	1	1	1	1	1	1	4	4	4	4
PGAU	HY01	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	19	0	0	20	114	80	84	85
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	116	82	80	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	22	-1	-1	33	111	-1	-1	-1	-1
PGAU	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	23	-1	-1	-1	-1	-1	-1	-1	-1	112	112	24	20	-1	-1
SIHY	HY01	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	49	49	50	30	30
SIHY	HY02	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	50	50	30	30	0
SIHY	HY03	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	49	49	30	30	0
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	25	25	25	15	15
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	25	25	25	16	16
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	16	16	16
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	16	16	16
TMGR	HY01	79	82	79	78	40	-1	-1	-1	-1	-1	-1	-1	-1	75	78	82	82	82	79	77	77	-1	-1	82
TMGR	HY02	84	84	84	84	35	77	35	35	35	35	35	35	35	35	80	80	80	80	80	80	80	80	80	80
TMGR	HY03	78	80	79	78	40	79	0	0	0	0	0	0	0	75	78	83	83	83	79	79	77	0	0	82
TMGR	HY04	76	78	77	76	-1	-1	-1	-1	-1	-1	-1	-1	-1	72	75	79	79	79	75	75	75	79	78	77
UPIA	HY01	5	5	5	5	5	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
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		975	912	855	773	605	637	478	418	441	479	454	451	494	502	447	357	527	907	894	1197	1076	1108	1000	914
KLPP	GT14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	90	90	138	138
PDPS	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	103	103	103	98
PDPS	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	102	101	101	0
PDPS	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101	101	81	0
PGPS	GT3A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	83	90	89	91
PLPS	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	42	141	143	142	146	146	145	146	146	147	145
PLPS	GT12	137	142	136	140	142	141	63	48	50	0	0	0	0	50	49	21	50	49	0	0	0	0	0	0
PLPS	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	127	143	145	145
PLPS	ST18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGB3	GT32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	111	115	111	123	108	
SGB3	GT33	124	123	124	124	124	124	58	63	0	0	0	0	0	57	115	124	118	122	115	116	117	122	118	122
SGB3	ST34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	126	126	126	126
SGRI	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	125	121	121	123	123	122	122	122	121	121	123
SGRI	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	133	142	131	139	130	130	131	132	130	130	131
Total Distillate		261	265	260	264	266	265	101	111	50	0	0	0	0	232	418	408	464	574	510	637	659	667	774	782
PCUF	CUFG	2	2	1	2	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0

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																											
PCUF	CUFK	21	23	23	23	22	23	24	25	27	25	26	26	24	24	25	27	25	24	25	23	23	23	22	22	22	17	19	21	23	20	21	20	22	23	23	20	22	22	20	24	22	23	21	24	25	25	26				
Total Co-Gen		23	25	24	25	22	23	25	25	28	26	27	27	26	26	26	29	27	25	26	22	23	24	23	23	23	18	19	22	22	20	21	20	22	23	24	25	20	23	24	22	26	24	23	22	27	27	27	28			
Total Gen		13988	13526	13205	13089	12724	12675	12452	12297	12021	12003	11932	11916	12108	12151	11986	11758	12339	13416	14072	14576	14937	15507	15708	15871	15768	15466	15386	15742	15958	16137	16264	16326	16007	16080	15679	15159	14549	14281	14181	14763	15146	15175	15048	14895	14738	14554	14500	14206			
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	30	31	31	31	31	30	30	30	30	31	31	31	31	31	30	30	30	30	30	31	31	31	31	29	29	30	30	31	31	31	31	31	31	31	31	30	29	29	32	31	31	29	30	31						
TIE-PLTG		28	-61	0	23	-55	0	-31	75	12	13	-12	55	-5	-16	36	22	-40	74	24	-10	9	-20	49	-22	18	-38	-18	6	17	1	15	-17	2	-25	38	-19	-18	-17	18	-46	4	-11	49	-29	71	-7	-20	-11			
Interconnection		58	-31	31	53	-25	31	0	106	42	43	18	86	26	15	67	53	-10	104	54	20	39	10	79	9	48	-7	12	36	49	31	46	12	32	5	68	11	12	14	49	-16	33	18	81	2	102	22	9	20			
System Total		13930	13557	13174	13036	12749	12644	12452	12191	11979	11960	11914	11830	12082	12136	11919	11705	12349	13312	14018	14556	14898	15497	15629	15862	15720	15473	15374	15706	15909	16106	16218	16314	15975	16075	15611	15148	14537	14267	14122	14779	15113	15157	14967	14893	14636	14532	14491	14186			
SRev ST-Coal		50	13	49	44	-2	78	47	106	42	56	63	65	44	32	-56	65	39	63	37	-3	67	4	55	44	49	17	43	26	54	5	59	26	47	38	66	86	76	47	82	55	89	51	36	2	49	36	36	31			
SRev ST-Oil		0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	40	6	0	1	1	2	2	43	11	41	41	6	-63	6	35	0	0	-1	-1	0	0	-26	-24	4	4	4	4	4	4	4	4	5	5	4		
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		487	365	492	536	582	595	646	741	1209	1354	1412	1441	1324	1313	1417	1555	1359	784	566	483	255	219	229	105	174	197	142	145	159	261	159	137	203	144	196	172	329	570	615	251	258	279	281	201	193	140	136	231			
SRev ST-Gas		0	0	0	0	30	30	62	66	70	70	71	73	73	74	75	38	38	38	38	38	38	37	39	0	0	0	0	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 Distillate		25	-12	-7	-11	-13	-12	152	142	93	0	0	0	0	0	0	0	0	161	115	125	212	102	23	39	17	9	12	4	14	-13	25	13	100	84	61	32	36	34	35	19	24	19	19	18	60	59	55	55			
SRev Co-Gen		65	63	64	63	66	65	63	63	60	62	61	61	62	62	62	59	61	63	62	66	65	64	65	65	65	70	69	66	66	68	67	68	68	66	65	64	63	68	65	64	66	62	64	65	66	61	61	61	60		
Syncon		453	453	453	453	539	625	625	625	625	625	625	625	625	625	625	474	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625			
Hydro		316	79	136	118	200	82	78	138	167	129	154	308	114	106	161	251	105	235	97	96	217	185	292	227	231	76	206	143	251	231	283	291	441	350	200	244	341	396	442	353	247	249	558	391	219	131	129	194			
S.Reserve Total		1396	961	1187	1203	1402	1463	1673	1881	2266	2296	2386	2422	2242	2212	2396	2630	2267	1652	1368	957	1024	774	1862	1073	1202	1162	1244	1143	1177	980	1107	1035	1323	1160	1316	1257	1555	1790	1925	1336	1193	1148	1146	1006	1148	884	928	1028			