

Availability at Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,934 MW
Hydro	1,890 MW
Distillate	0 MW
Total TNB	7,894 MW
Total IPP	10,657 MW
Total Co-Gen	0 MW
Total System	19,121 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	49,608	19.99 %
Gas	32,549	13.11 %
Hydro	11,203	4.51 %
Total TNB	93,360	37.61 %
ST-Coal	80,387	32.39 %
Gas	73,528	29.62 %
Total IPP	153,915	62.01 %
Co-Gen	60	0.02 %
Total Co-Gen	60	0.02 %
Total Generation	247,335	99.65 %
PLTG	-174	-0.07 %
HVDC	-696	-0.28 %
Interconnection	-870	-0.35 %
Net Energy	248,205	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:	00:00:00 Hour
Total Set On Bus	13,592 MW
TNB Generation	4,323 MW
IPP Generation	7,810 MW
Spinning Reserve	1,455 MW
Maximum Demand	12,178 MW
Net Energy	248,205 MWH
Load Factor	84.92 %

Fuel Cost

Total Cost:	30,188,928.65 RM
Cost per Unit	12.78 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	366
Hydro	303
Syncon	562
Thermal	400
Total	1,631

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
GLGR	57
PGPS	8
TJGS	166
Total TNB	230
KLPP	85
MPSS	2
PGLA	115
PLPS	47
SGRI	181
SKSP	50
YPGS	27
YPKA	55
Total IPP	562
Total Gas	792

Total Gas Required

792

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	12179	11705	11201	10702	10299	10032	9918	9696	9105	8995	9267	9473	9569	9799	10007	10104	10070	10067	9999	10244	11563	11528	11429	11359

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
TJGS	ST1C	119	119	119	119	119	119	119	119	119	119	119	119	123	123	123	123	123	116	116	113	113	113	113	113
TJGS	GT2A	219	219	221	220	220	220	221	221	219	220	220	221	187	208	188	188	187	219	209	188	217	218	218	218
TJGS	GT2B	216	216	218	215	215	216	217	217	216	214	217	218	218	216	184	207	184	185	215	206	184	214	214	214
TJGS	ST2C	262	262	262	263	263	263	263	263	262	262	262	262	251	253	239	241	239	261	261	261	261	261	261	261
Total CCGT-Gas		5642	5426	5135	4780	4670	4539	4431	4393	4339	4222	4187	4189	4220	4185	4089	4040	3976	3816	3782	3904	3982	4053	4155	4148
Total 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
BSIA	HY01	20	20	21	21	20	20	21	21	21	21	21	21	11	11	11	11	11	11	11	11	11	11	11	11
BSIA	HY02	21	21	22	22	22	22	22	20	20	20	20	0	0	0	0	0	0	0	0	0	0	0	0	0
BSIA	HY03	23	23	23	23	23	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CEND	HY01	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	HY02	9	10	10	10	10	10	10	9	10	9	10	9	9	9	9	9	9	9	9	9	9	9	9	9
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	37	37	37	37	37	37	38	38	37	37	37	38	38	23	23	23	23	39	37	23	23	23	23	23
KNRG	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
KNRG	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
KNYR	HY01	-1	-1	-1	97	97	96	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97
KNYR	HY02	-1	-1	-1	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
KNYR	HY04	103	93	101	101	99	74	101	101	75	79	85	101	101	101	101	101	101	60	60	72	64	61	62	62
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	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
PGAU	HY02	21	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	23	-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
PGAU	HY04	-1	-1	-1	-1	19	-1	-1	-1	-1	20	-1	-1	-1	-1	21	-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	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
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
SYPS	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
SYPS	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
SYPS	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
SYPS	HY04	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	82	82	82	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	35	34	35	84	84	28	30	33
TMGR	HY02	87	87	87	87	88	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY03	73	75	75	35	74	75	33	37	37	36	36	36	36	35	27	31	31	31	31	33	29	29	41	34
TMGR	HY04	79	79	79	80	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UPIA	HY01	4	4	4	5	5	5	5	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		601	594	582	660	616	523	490	469	443	447	472	468	448	447	448	460	418	441	418	418	475	251	203	251
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
PCUFG		4	4	4	3	3	3	4	4	3	4	5	5	4	3	4	3	3	3	1	2	1	1	1	1
Total Co-Gen		4	4	4	3	3	3	4	4	3	4	5	5	4	3	4	4	3	3	1	2	1	1	1	1
Total Gen		12137	11904	11675	11349	11153	10809	10611	10492	10276	10188	9982	9902	9896	9860	9683	9262	9113	8993	8953	9051	9300	9411	9452	9610
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
TIE-HVDC		-30	-29	-29	-29	-29	-29	-29	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		-12	29	0	6	-19	-29	-62	-37	5	-11	-21	-18	7	-12	17	4	37	6	-12	-22	62	21	8	
Interconnection		-42	0	-30	-23	-48	-58	-91	-66	-23	-39	-50	-46	-22	-41	-13	-26	8	-23	-42	-51	33	-9	-21	
System Total		12179	11904	11705	11372	11201	10867	10702	10558	10299	10147	10032	9948	9918	9901	9696	9288	9105	9016	8995	9132	9267	9420	9473	9788

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																										
SRev ST-Coal		5	15	-28	50	70	123	151	152	221	204	283	294	298	313	396	581	583	565	553	553	529	594	619	556	564	544	538	494	468	451	486	472	470	497	465	450	483	481	499	106	58	52	57	65	93	64	69	68		
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		745	255	546	273	383	374	387	425	479	351	386	384	353	390	484	396	460	567	601	479	401	330	228	235	189	303	192	226	285	210	341	457	541	514	550	472	626	658	603	272	137	308	329	456	370	436	450	505		
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		40	40	40	41	41	41	41	40	40	41	40	39	39	40	41	40	40	41	40	40	41	41	41	41	43	42	43	43	43	42	42	42	42	42	43	42	42	43	43	42	43	43	42	43	42	42	41	44	43	43
Syneon		504	504	655	539	475	474	625	625	625	625	474	625	625	625	625	474	625	474	625	625	625	625	575	726	425	575	640	640	640	640	640	554	403	554	554	554	640	490	489	640	489	554	554	554	403	554	554	554	554	
Hydro		161	168	29	67	25	184	66	63	89	85	211	64	60	61	60	199	90	218	90	90	72	246	143	246	170	212	221	220	155	167	364	409	261	281	284	164	165	312	165	293	260	265	272	314	81	130	133	127		
S.Reserve Total		1455	982	1242	970	994	1196	1270	1305	1454	1306	1394	1406	1375	1429	1606	1690	1798	1865	1909	1787	1668	1886	1857	1695	1640	1842	1734	1723	1690	1610	1887	1883	1969	1988	1995	1869	1907	2082	2050	1303	1151	1322	1354	1380	1239	1328	1349	1397		