

Availability at Daily Maximum Demand Hour

ST-Coal	3,080 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,844 MW
Hydro	1,840 MW
Distillate	0 MW
Total TNB	8,764 MW
Total IPP	9,047 MW
Total Co-Gen	88 MW
Total System	17,899 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	67,978	24.77 %
Gas	59,709	21.75 %
Hydro	9,037	3.29 %
Total TNB	136,724	49.82 %
ST-Coal	67,439	24.57 %
ST-Gas	77	0.03 %
Gas	68,660	25.02 %
Distillate	382	0.14 %
Total IPP	136,558	49.75 %
Co-Gen	1,400	0.51 %
Total Co-Gen	1,400	0.51 %
Total Generation	274,682	100.08 %
PLTG	-511	-0.19 %
HVDC	730	0.27 %
Interconnection	219	0.08 %
Net Energy	274,463	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:	20:30:00 Hour
Total Set On Bus	14,071 MW
TNB Generation	6,385 MW
IPP Generation	6,524 MW
Spinning Reserve	1,106 MW
Maximum Demand	13,001 MW
Net Energy	274,463 MWH
Load Factor	87.96 %

Fuel Cost

Total Cost:	33,864,558.61 RM
Cost per Unit	12.74 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	331
Hydro	228
Syncon	669
Thermal	126
Total	1,354

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Cloudy	27

Gas Usage

Station	(mmscfd)
CBPS	29
GLGR	56
PAKA	98
PGGS	4
PGPS	27
SRDG	12
TJGS	222
Total TNB	448

KLPP	3
MPSS	35
PDPS	11
PGLA	113
PKLG	5
PLPS	93
SGB3	64
SGRI	184
YPKA	32
PKLG	1
Total IPP	540
Total Gas	988

Total Gas Required	991
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Alternate Fuel Usage

Station	(mmscfd)
SKSP	3
Total	3

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	12767	12268	11626	11364	10966	10818	10622	10447	9910	9997	10452	10771	10929	11055	11291	11448	11542	11524	11466	11896	12940	12987	12739	12667

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
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	-1	-1	-1	80	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	80	80	37
TMGR	HY02	41	33	38	85	32	34	33	32	32	33	32	32	33	34	34	33	32	34	34	34	35	35	37	37
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
TMGR	HY04	2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UPLA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
UPLA	HY02	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Total Hydro		315	242	228	422	193	222	195	205	188	221	221	209	207	188	191	187	182	187	218	191	206	216	224	229
SKSP	BLK1	239	263	262	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Distillate		239	263	262	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUPG	35	36	36	36	36	37	37	39	37	37	38	38	38	38	38	38	37	36	37	36	35	35	35	35
PCUF	CUFK	23	23	21	26	26	24	26	27	27	25	24	25	26	26	25	24	23	23	20	19	17	18	21	19
Total Co-Gen		58	59	57	62	62	61	63	66	64	62	61	63	64	64	63	66	64	65	62	62	61	59	58	58
Total Gen		12819	12503	12233	11976	11637	11582	11349	11158	10980	10883	10775	10658	10624	10563	10472	10159	9945	9883	9996	10143	10479	10617	10822	10959
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		31	30	30	31	31	30	30	30	30	30	30	31	31	31	31	31	31	31	30	30	31	31	31	31
TIE-PLTG		21	-33	-64	9	-21	12	-45	-4	-16	-42	-73	-16	-27	28	-6	-24	5	-24	-31	1	-3	-17	20	30
Interconnection		52	-3	-35	40	11	42	-15	26	14	-11	-43	14	2	59	25	6	35	7	-1	31	27	14	51	61
System Total		12767	12506	12268	11936	11626	11540	11364	11132	10966	10894	10818	10644	10622	10504	10447	10153	9910	9876	9997	10112	10452	10603	10771	10898
SRev ST-Coal		137	90	40	112	137	84	140	145	135	109	103	133	193	219	195	235	352	350	332	349	318	321	134	59
SRev OCGT-Gas		32	12	-3	-4	-4	-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		183	187	220	196	306	111	157	81	212	356	469	546	519	535	652	924	1009	1079	1012	821	530	397	386	329
SRev ST-Gas		36	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev Distillate		31	7	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev Co-Gen		30	29	31	26	26	27	25	22	24	26	27	25	24	24	25	22	24	23	26	27	29	30	30	30
Syncon		590	676	827	640	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827
Hydro		234	219	82	75	117	88	115	105	122	89	89	252	103	122	119	123	128	123	243	119	104	94	86	232
S.Reserve Total		1273	1251	1225	1045	1409	1133	1264	1180	1320	1407	1515	1632	1666	1727	1818	2131	2340	2402	2289	2142	1806	1668	1463	1326