

Availability at Daily Maximum Demand Hour

ST-Coal	1,380 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,024 MW
Hydro	1,838 MW
Distillate	0 MW
Total TNB	7,242 MW
Total IPP	10,044 MW
Total Co-Gen	0 MW
Total System	17,856 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	33,051	10.04 %
Gas	65,443	19.87 %
Hydro	30,744	9.34 %
Total TNB	129,238	39.24 %
ST-Coal	108,486	32.94 %
Gas	90,072	27.35 %
Total IPP	198,558	60.29 %
Co-Gen	2,036	0.62 %
Total Co-Gen	2,036	0.62 %
Total Generation	329,832	100.16 %
PLTG	-212	-0.06 %
HVDC	729	0.22 %
Interconnection	517	0.16 %
Net Energy	329,315	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:	16:00:00 Hour
Total Set On Bus	16,859 MW
TNB Generation	6,323 MW
IPP Generation	9,375 MW
Spinning Reserve	1,081 MW
Maximum Demand	15,771 MW
Net Energy	329,315 MWH
Load Factor	87.00 %

Fuel Cost

Total Cost:	46,345,066.65 RM
Cost per Unit	15.49 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	620
Hydro	216
Syncon	87
Thermal	53
Total	976

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
CBPS	29
GLGR	54
PAKA	143
PGPS	39
SRDG	34
TJGS	211
Total TNB	510

Alternate Fuel Usage

Station	(mmscfd)
Total	0

KLPP	80
MPSS	53
PDPS	23
PGLA	110
PKLG	11
PTEK	17
SGB3	76
SGRI	162
SKSP	47
YPGS	70
YPKA	69
Total IPP	719
Total Gas	1,229
Total Gas Required	1,229

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	13139	12421	12176	11630	11591	11314	11504	11478	11926	13698	14467	15190	15050	14928	15444	15691	15772	15334	14319	13970	15055	14789	14302	13829

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	
KNYR	HY04	102	103	103	102	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	102	103	102	103	103	103
LPIA	HY01	9	11	8	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LPIA	HY02	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
MNOR	HY01	9	9	9	9	5	5	5	5	5	5	5	5	5	2	2	6	6	6	6	7	7	7	7	7	7
PGAU	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	21	114	113	113	112	113	0	0	0	0
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	22	-1	113	112	112	112	20	112	111	24	21
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	112	112	81	81	22	-1	-1	-1	-1	-1
PGAU	HY04	-1	-1	-1	-1	-1	-1	30	-1	-1	-1	-1	-1	-1	-1	112	111	111	111	-1	-1	112	33	111	111	131
SIHY	HY01	50	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50
SIHY	HY02	30	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30	30	30	30	30	30	30
SIHY	HY03	50	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	49	30	30	30	30	30	30	30	30
SYPS	HY01	25	0	0	0	0	0	0	0	17	25	25	25	25	25	16	16	16	16	16	16	0	0	16	16	16
SYPS	HY02	25	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	16	16	16	16	16	16
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	16	0	0	16	16	16
SYPS	HY04	25	0	0	0	0	0	0	0	0	25	25	25	25	25	16	16	16	16	16	16	0	0	16	16	16
TMGR	HY01	89	89	89	89	88	89	89	89	89	89	88	88	89	89	89	89	89	89	88	88	89	88	89	88	89
TMGR	HY02	85	90	88	86	89	87	86	89	88	89	86	90	92	92	91	93	92	92	92	92	92	92	92	92	92
TMGR	HY03	90	90	90	90	90	90	90	91	91	91	91	91	90	90	90	90	90	90	90	90	90	90	90	90	90
TMGR	HY04	78	81	80	78	80	79	79	80	80	79	82	83	84	82	82	83	81	84	84	84	85	84	84	85	83
UPIA	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	5
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
Total Hydro		1184	870	861	855	850	846	846	1020	989	988	1001	1036	1042	1046	1066	1064	1067	1082	1068	1228	1210	1645	1603	1571	1568
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
PCUF	CUFG	41	48	48	48	48	49	48	48	47	49	49	48	48	49	48	47	47	47	46	47	46	46	45	47	46
PCUF	CUFK	37	37	36	37	36	37	38	38	39	40	42	40	40	39	41	40	40	41	41	41	38	37	39	35	36
Total Co-Gen		78	85	84	85	84	86	86	86	89	91	88	88	88	89	89	89	89	88	88	88	84	84	85	81	83
Total Gen		13232	12794	12528	12122	12241	11840	11700	11600	11593	11439	11354	11398	11506	11791	11518	11612	11937	12937	13550	14042	14525	14963	15100	15142	15093
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
TIE-HVDC		30	30	31	31	30	30	30	30	31	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30
TIE-PLTG		63	16	76	-9	34	-87	40	4	-28	30	9	7	-28	16	10	-1	-19	-32	-178	-86	28	-4	-120	-118	
Interconnection		93	46	107	22	65	-57	70	34	2	61	40	38	2	46	40	29	11	-2	-148	-56	58	26	-90	-87	
System Total		13139	12748	12421	12100	12176	11897	11630	11566	11591	11378	11314	11360	11504	11745	11478	11583	11926	12939	13698	14098	14467	14927	15190	15229	15050
SRev ST-Coal		59	36	113	35	95	95	55	47	30	37	35	31	26	48	36	46	41	41	16	100	28	-3	7	17	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	79	478	370	286	287	289
SRev CCGT-Gas		707	721	646	1037	813	1212	1249	1531	1524	1673	1775	1767	1670	1367	1673	1670	1649	852	593	249	111	175	303	324	334
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
SRev Co-Gen		-2	-9	-8	-9	-8	-10	-10	-10	-10	-13	-15	-12	-12	-12	-13	-13	-13	-13	-12	-12	-8	-8	-9	-5	-7
Syncon		453	453	453	453	453	453	453	453	453	453	453	453	453	453	453	453	453	453	453	302	453	302	453	0	0
Hydro		46	13	19	24	22	26	19	96	22	23	35	0	-6	15	20	22	19	155	18	314	181	199	241	277	
S.Reserve Total		1263	1214	1223	1540	1375	1776	1766	1966	2019	2173	2283	2239	2131	1871	2169	2178	2149	1337	1068	953	840	841	913	895	944