

Availability at Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,092 MW
Hydro	1,844 MW
Distillate	0 MW
Total TNB	8,006 MW
Total IPP	10,025 MW
Total Co-Gen	0 MW
Total System	18,031 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	48,849	14.81 %
Gas	81,851	24.82 %
Hydro	8,815	2.67 %
Total TNB	139,515	42.31 %
ST-Coal	86,166	26.13 %
ST-Gas	1,486	0.45 %
ST-Oil	6,423	1.95 %
Gas	94,893	28.78 %
Total IPP	188,968	57.31 %
Co-Gen	1,518	0.46 %
Total Co-Gen	1,518	0.46 %
Total Generation	330,001	100.08 %
PLTG	-457	-0.14 %
HVDC	727	0.22 %
Interconnection	270	0.08 %
Net Energy	329,731	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:	14:30:00 Hour
Total Set On Bus	17,165 MW
TNB Generation	6,561 MW
IPP Generation	9,062 MW
Spinning Reserve	1,486 MW
Maximum Demand	15,667 MW
Net Energy	329,731 MWH
Load Factor	87.69 %

Fuel Cost

Total Cost:	61,613,614.33 RM
Cost per Unit	19.18 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	229
Hydro	197
Syncon	502
Thermal	46
Total	974

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
CBPS	28
CBPS	59
GLGR	58
PAKA	170
PGGS	13
PGPS	42
SRDG	62
TJGS	218
Total TNB	649

KLPP	93
MPSS	59
PDPS	40
PKLG	17
PLPS	105
PTEK	45
SGRI	221
SKSP	27
YPGS	70
YPKA	96
PKLG	15
Total IPP	790
Total Gas	1,439

Total Gas Required 1,501

Alternate Fuel Usage

Station	(mmscfd)
PKLG	62
Total	62

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	13064	12491	12042	11660	11552	11210	11449	11610	12170	14031	14865	15615	15436	15145	15530	15423	15527	15051	14267	14200	14819	14620	13952	13424

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	HY03	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	7	7	7	7	7	7	7
CEND	HY04	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
KNRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	35	35	35	21	22	23	0	0	0	0	0	0
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	21	23	23	22	21	22	20	21	22	21	20	21	21	22	21	22	22	20	23	22	22	21	22	22
KNYR	HY01	54	65	61	58	57	58	53	58	62	55	53	58	69	58	53	51	59	97	53	59	96	65	95	70
KNYR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
KNYR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	79	88	93	77	84	55	77	63	63	63	92
KNYR	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	96	95	96	0	0	0	0	0	0	0	0
LPIA	HY01	8	10	9	9	8	9	8	8	9	8	8	8	9	9	11	12	12	12	12	13	13	12	12	13
LPIA	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
MXOR	HY01	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	3	3	3	5	5	5	5	5	5
PGAU	HY01	0	0	0	0	0	0	0	0	0	0	0	0	85	83	83	83	81	25	21	25	112	0	0	0
PGAU	HY02	-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	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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-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	50	48	48	48	48	0
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	50	50	50	50	0	0
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	50	50	50	50	0	0
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	0	0
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	0	0
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	0	0
TMGR	HY01	30	36	33	33	30	30	0	0	0	0	0	0	0	81	81	80	80	80	33	35	35	34	81	36
TMGR	HY02	0	0	0	0	0	27	28	35	29	28	29	41	32	26	32	38	36	30	33	33	34	33	36	36
TMGR	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
TMGR	HY04	-1	-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	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		172	193	185	181	175	178	167	174	187	172	168	175	203	200	167	171	189	384	165	174	317	652	889	920
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
PCUF	CUFG	30	28	29	31	32	29	32	31	31	30	31	31	32	35	34	33	33	34	32	32	32	32	32	32
PCUF	CUFK	35	34	32	34	33	34	35	35	35	35	34	35	34	35	34	32	28	28	24	24	24	24	24	24
Total Co-Gen		65	62	61	65	65	63	67	66	66	65	66	65	67	64	67	69	68	65	61	62	58	56	56	56
Total Gen		13093	12705	12528	12285	12071	11942	11773	11493	11505	11444	11262	11380	11462	11809	11685	11606	12198	13371	14050	14365	14806	15177	15596	15578
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	31	30	30	31	31	31	30	30	31	31	31	30	30	31	31	30	30	31	31	29	29	29	30
TIE-PLTG		-2	-94	7	-14	-2	-49	83	29	-77	-3	21	18	-18	3	45	0	-3	72	-12	-61	-89	-31	-50	
Interconnection		29	-63	37	16	29	-18	113	60	-47	27	52	49	13	34	75	29	28	103	19	-30	-89	-1	-19	
System Total		13064	12768	12491	12269	12042	11960	11660	11433	11552	11417	11210	11331	11449	11775	11610	11577	12170	13268	14031	14395	14865	15178	15586	15530
SRev ST-Coal		34	20	46	38	20	30	50	26	45	33	72	27	7	51	65	29	45	34	42	26	39	48	39	34
SRev ST-Oil		2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	246	185	274	88	251	79	158
SRev CCT-Gas		163	382	314	215	441	561	704	1014	995	1052	1192	1125	1093	696	776	897	543	232	97	22	36	39	57	62
SRev ST-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	12	13	23	24	24	25
SRev Co-Gen		11	14	15	11	11	13	9	10	10	11	10	11	9	12	9	7	8	11	15	14	18	20	20	20
Syncon		719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719	719
Hydro		169	148	156	160	166	163	92	170	157	172	176	169	141	295	177	173	155	254	171	162	120	291	236	282

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																								
S.Reserve Total		1098	1285	1252	1145	1359	1488	1575	1940	1928	1989	2171	2053	1971	1624	1748	1827	1472	1196	1230	1218	927	1130	830	965	1096	1195	1500	1462	1643	1486	1440	1162	1166	1353	1197	1029	1280	1556	895	960	937	1000	959	1076	952	1136	1127	1074