

Availability at Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,740 MW
Hydro	2,126 MW
Distillate	0 MW
Total TNB	8,936 MW
Total IPP	8,785 MW
Total Co-Gen	33 MW
Total System	18,318 MW

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	13,482 MW
TNB Generation	6,342 MW
IPP Generation	6,258 MW
Spinning Reserve	863 MW
Maximum Demand	12,540 MW
Net Energy	256,160 MWH
Load Factor	85.11 %

Gas Usage

Station	(mmscfd)
CBPS	30
GLGR	32
NPRI	134
PAKA	105
PGGS	6
SRDG	10
TJGS	215
Total TNB	532
KLPP	77
PGLA	114
PKLG	5
SGRI	96
Total IPP	292
Total Gas	824
Total Gas Required	824

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	46,002	17.96 %
Gas	74,221	28.97 %
Hydro	11,616	4.53 %
Total TNB	131,839	51.47 %
ST-Coal	86,228	33.66 %
Gas	37,770	14.74 %
Total IPP	123,998	48.41 %
Co-Gen	499	0.19 %
Total Co-Gen	499	0.19 %
Total Generation	256,336	100.07 %
PLTG	-552	-0.22 %
HVDC	728	0.28 %
Interconnection	176	0.07 %
Net Energy	256,160	100.00 %

Fuel Cost

Total Cost:	32,646,182.10 RM
Cost per Unit	13.34 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	342
Hydro	322
Syncon	620
Thermal	174
Total	1,458

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Cloudy	35
Morning	Cloudy	28

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	11386	11008	10578	10191	9932	9780	9659	9647	9216	9533	9932	10314	10362	10346	10541	10645	10724	10754	10782	11102	12485	12479	12221	12122

Daily MW Generation on Tuesday

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
SRDG	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRDG	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	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	HY02	24	24	24	24	24	24	12	11	12	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
BSIA	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
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	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
HTRG	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
HTRG	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
KNRG	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
KNRG	HY02	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
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	0	0	0	0	0	0	0	0	0	0	0
KNYR	HY04	101	65	93	61	68	61	62	61	60	84	61	63	59	70	60	53	58	75	72	66	63	54	64	58
LPIA	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
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
MNOR	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
PGAU	HY01	-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	HY02	-1	-1	-1	-1	-1	-1	18	-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	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	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	-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	HY02	36	34	37	33	33	35	32	36	32	37	34	32	32	36	34	24	29	33	33	34	33	27	32	33
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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
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
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
Total Hydro		260	222	253	217	224	219	217	227	202	232	205	221	217	223	187	197	218	215	210	206	178	192	186	200
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	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
PCUF	CUFK	18	18	18	19	19	18	18	17	19	19	19	20	19	20	19	20	19	20	19	18	18	18	19	18
Total Co-Gen		20	20	19	21	21	20	19	21	21	21	22	22	23	25	23	22	22	22	21	20	21	20	20	21
Total Gen		11379	11242	11033	10821	10572	10329	10261	10112	9934	9832	9777	9693	9689	9685	9657	9371	9194	9318	9537	9774	9915	10210	10319	
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	30	30	30	31	31	30	30	31	31	31	31	30	30	31	31	30	30	31	31	30	30	31	31
TIE-PLTG		-37	-18	-4	8	-36	4	40	-4	-29	10	-34	-16	-1	0	-20	-24	-52	-39	-27	-31	-47	0	-25	

Daily MW Generation on Tuesday

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																										
Interconnection		-7	12	25	38	-6	35	70	26	2	40	-3	14	30	31	10	5	-22	-9	4	-1	-17	31	5	31	39	-30	10	-19	-15	-32	8	16	8	-6	-5	7	-18	-10	9	18	4	79	43	33	21	-14	-35	-106		
System Total		11386	11230	11008	10783	10578	10294	10191	10086	9932	9792	9780	9679	9659	9654	9647	9366	9216	9327	9533	9775	9932	10179	10314	10362	10362	10381	10346	10415	10541	10611	10645	10672	10724	10810	10754	10795	10782	10857	11102	11958	12485	12540	12479	12406	12221	12235	12122	12103		
SRev ST-Coal		28	25	31	27	29	110	303	366	351	479	480	476	474	481	474	474	479	413	477	423	392	325	336	330	339	325	274	268	218	188	49	17	41	47	28	43	-15	16	20	-28	3	44	50	-20	28	-102	-11	43		
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	4	4	21	-2	1	-3	-3	6	53	
SRev CCGT-Gas		59	161	-22	160	414	431	443	489	584	396	441	532	569	538	589	785	938	836	724	748	780	663	337	262	258	394	356	132	86	185	402	327	286	207	495	132	169	434	432	285	88	84	189	200	167	40	39	24		
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		13	13	14	12	12	13	13	14	12	12	12	11	12	12	11	10	8	10	11	11	11	11	11	12	13	12	13	13	12	12	14	14	12	13	13	14	15	12	13	12	11	14	13	12	13	13	11	11		
Syncon		953	953	953	953	953	953	802	953	953	953	953	802	953	953	953	953	953	953	953	953	953	953	953	953	802	802	953	651	651	651	550	550	550	550	449	449	449	449	449	323	237	237	237	237	363	550	651	651		
Hydro		56	94	63	99	92	97	99	240	114	84	111	111	246	99	244	129	119	98	101	106	110	138	124	130	267	276	138	272	295	333	420	342	337	374	341	348	256	289	332	525	479	463	512	652	601	630	245	385		
S.Reserve Total		1109	1246	1039	1251	1500	1604	1811	1911	2014	1924	1997	2083	2103	2083	2120	2352	2499	2308	2265	2241	2246	2090	1761	1687	1679	1809	1734	1336	1262	1369	1435	1250	1226	1191	1326	986	874	1200	1246	1121	822	863	999	1082	1169	1128	941	1167		