

Availability at Daily Maximum Demand Hour

ST-Coal	3,080 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,294 MW
Hydro	1,760 MW
Distillate	0 MW
Total TNB	9,134 MW
Total IPP	10,077 MW
Total Co-Gen	0 MW
Total System	19,211 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	66,459	19.23 %
Gas	78,279	22.65 %
Hydro	16,113	4.66 %
Total TNB	160,851	46.55 %
ST-Coal	79,278	22.94 %
ST-Gas	5,687	1.65 %
Gas	99,773	28.87 %
Total IPP	184,738	53.46 %
Co-Gen	876	0.25 %
Total Co-Gen	876	0.25 %
Total Generation	346,465	100.27 %
PLTG	197	0.06 %
HVDC	727	0.21 %
Interconnection	924	0.27 %
Net Energy	345,541	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:	16:30:00 Hour
Total Set On Bus	18,025 MW
TNB Generation	7,604 MW
IPP Generation	8,924 MW
Spinning Reserve	1,461 MW
Maximum Demand	16,543 MW
Net Energy	345,541 MWH
Load Factor	87.03 %

Fuel Cost

Total Cost:	58,451,459.46 RM
Cost per Unit	17.69 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	597
Hydro	338
Syncon	307
Thermal	32
Total	1,274

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Cloudy	27

Gas Usage

Station	(mmscfd)
CBPS	18
CBPS	56
GLGR	55
PAKA	167
PGGS	4
PGPS	50
SRDG	46
TJGS	209
Total TNB	605
KLPP	111
MPSS	41
PDPS	37
PGLA	105
PKLG	19
PLPS	100
PTEK	26
SGB3	43
SGRI	203
SKSP	49
YPKA	66
PKLG	55
Total IPP	854
Total Gas	1,459
Total Gas Required	1,459

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	13503	12967	12514	12105	11825	11737	11966	11872	12383	14312	15089	15982	15965	15654	16333	16517	16542	16229	14996	14715	15944	15819	15311	14928

Daily MW Generation on Wednesday

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	
BSIA	HY02	22	23	12	12	12	12	12	12	12	12	12	12	21	22	22	21	22	23	23	23	23	23	23	23	23
BSIA	HY03	22	22	0	0	0	0	0	0	0	0	0	0	19	19	18	24	24	24	24	24	24	24	24	24	24
CEND	HY01	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	10	10	10	10	10	10	10
CEND	HY02	9	9	9	9	9	9	9	9	9	9	9	9	8	8	8	7	8	7	7	8	8	8	9	9	10
CEND	HY03	9	9	9	9	9	9	9	9	9	9	9	9	8	8	8	8	8	8	8	9	9	9	9	9	9
KNRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	35	35	35	35	35	35	35	35	35	35	35	35
KNRG	HY02	37	37	37	37	37	37	37	37	37	37	37	37	36	36	36	36	36	36	22	22	23	24	24	24	24
KNRG	HY03	36	36	36	37	36	36	36	36	37	37	37	36	36	36	36	35	35	35	35	36	23	0	0	0	0
KNYR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	95	93	99	99	100	99	100	55	59	61	64
KNYR	HY02	-1	0	0	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNYR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	94	92	101	101	101	99	100	95	96	99	96	100	
KNYR	HY04	102	96	88	99	99	100	100	102	99	76	84	102	102	102	79	53	62	55	53	90	86	100	60	60	
LPLA	HY02	16	16	16	16	16	15	15	15	15	16	16	15	15	16	16	16	16	16	16	15	15	16	16	16	16
MNOR	HY01	3	3	2	2	2	2	2	2	2	0	0	0	0	4	4	4	0	0	3	4	4	4	0	0	
PGAU	HY01	0	21	0	0	0	0	0	0	0	0	0	0	0	18	21	21	21	21	21	21	21	21	21	21	21
PGAU	HY02	-1	-1	20	-1	-1	-1	-1	-1	-1	20	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY04	20	21	21	21	-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	30	50	50	30	0	0	30	50	50	30
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	50	50	30	0	0	30	50	50	30
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	50	50	30	0	0	30	50	50	30
SYPS	HY01	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY02	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY03	25	24	24	0	0	0	0	0	0	0	0	0	23	13	14	15	15	16	16	15	15	15	16	16	14
TMGR	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	75	85	80	77	85	85	84	84	79	81	84	80
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	78	86	80	78	86	86	88	84	85	80	81	84
TMGR	HY03	32	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	78	86	80	78	86	87	87	84	85	80	81	85
TMGR	HY04	35	34	35	36	34	34	35	35	35	32	33	36	37	38	32	75	81	77	75	82	81	81	80	81	77
UPIA	HY01	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
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		449	411	392	434	389	363	364	366	263	239	248	268	290	309	283	251	565	627	788	771	862	953	1093	1020	989
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	CUFK	22	22	21	21	20	20	21	20	21	22	23	23	22	21	21	20	18	18	19	19	18	18	20	19	17
PCUF	CUFG	16	16	17	15	21	19	15	17	17	17	17	17	17	16	16	16	15	17	16	16	16	15	16	15	16
Total Co-Gen		38	38	38	36	41	39	36	37	38	37	38	39	39	38	40	39	39	37	37	36	33	35	35	35	35
Total Gen		13498	13277	12994	12746	12556	12287	12134	12119	11857	11705	11699	11755	11972	12077	11893	11730	12458	13566	14421	14821	15093	15598	16002	16102	16026
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	30	30	31	31	30	30	30	30	31	31	31	31	31	31	30	30	31	31	31	31	31	30	30
TIE-PLTG		-35	-59	-3	30	11	38	-1	6	2	-35	-68	-21	-25	29	-10	-39	45	7	80	62	-27	-8	-11	39	32
Interconnection		-5	-28	27	60	42	69	29	36	32	-3	-38	8	6	60	21	-8	75	37	109	92	4	23	20	69	61
System Total		13503	13305	12967	12686	12514	12218	12105	12083	11825	11708	11737	11747	11966	12017	11872	11738	12383	13529	14312	14729	15089	15575	15982	16033	15965
SRev ST-Coal		-24	6	46	29	12	24	5	-11	52	49	41	40	40	33	43	43	118	38	18	61	43	59	75	42	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	118	204	131	333	373	405	400	402
SRev CCGT-Gas		581	441	645	899	1016	1245	1415	1449	1596	1726	1750	1716	1521	1441	1633	1764	1470	1074	703	535	369	388	239	176	199
SRev ST-Gas		33	38	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
SRev Co-Gen		38	38	38	40	35	37	40	39	38	39	38	37	37	38	36	36	37	37	39	39	40	43	41	41	41
Syncon		591	577	426	426	728	728	728	728	728	728	728	728	728	577	426	728	728	554	554	453	453	453	453	151	302

Daily MW Generation on Wednesday

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																								
Hydro		251	330	475	333	76	77	76	74	77	101	92	72	201	326	75	107	115	76	116	153	42	108	420	342	524	409	397	343	429	346	387	532	520	519	451	371	401	403	291	338	291	351	287	298	301	301	301	368
S.Reserve Total		1629	1430	1667	1764	1904	2148	2301	2316	2528	2680	2686	2630	2415	2308	2589	2722	2343	1796	1335	1233	1070	1252	1055	1236	1312	1508	1490	1137	1373	1231	1323	1477	1457	1461	1496	1411	1796	1979	1223	1030	1162	1318	1351	1353	1514	1422	1164	1289