

Availability at Daily Maximum Demand Hour

ST-Coal	2,390 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,197 MW
Hydro	1,859 MW
Distillate	0 MW
Total TNB	8,446 MW
Total IPP	10,388 MW
Total Co-Gen	0 MW
Total System	19,116 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	52,595	15.40 %
Gas	61,147	17.90 %
Hydro	19,041	5.57 %
Total TNB	132,783	38.87 %
ST-Coal	103,286	30.23 %
Gas	105,041	30.75 %
Total IPP	208,327	60.98 %
Co-Gen	1,374	0.40 %
Total Co-Gen	1,374	0.40 %
Total Generation	342,484	100.25 %
PLTG	220	0.06 %
HVDC	646	0.19 %
Interconnection	866	0.25 %
Net Energy	341,618	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	17,096 MW
TNB Generation	6,788 MW
IPP Generation	9,326 MW
Spinning Reserve	933 MW
Maximum Demand	16,133 MW
Net Energy	341,618 MWH
Load Factor	88.23 %

Fuel Cost

Total Cost:	50,516,880.50 RM
Cost per Unit	15.61 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	501
Hydro	506
Syncon	111
Thermal	43
Total	1,161

Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
CBPS	7
CBPS	58
GLGR	55
PAKA	89
PGPS	37
SRDG	22
TJGS	208
Total TNB	476
KLPP	95
MPSS	60
PDPS	9
PGLA	110
PKLG	6
PLPS	94
PTEK	8
SGB3	84
SGRI	163
YPGS	70
YPKA	137
Total IPP	837
Total Gas	1,313
Total Gas Required	1,313

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	13746	13078	12647	12365	11899	11804	12052	12025	12362	14313	15095	15809	15632	15192	15825	16123	16133	15777	14751	14472	15458	15401	14945	14607

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
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	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	43	-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	42	43	38	34	33	33	36	35	35	31	33	35	42	87	87	39	36	39	40	34	55	72	85	81
TMGR	HY03	46	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	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
UPIA	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		512	333	210	227	204	212	236	244	236	200	218	215	250	291	246	227	214	210	226	474	815	1221	1408	1381
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	CUPG	33	34	32	33	31	34	33	33	33	31	33	33	33	34	34	34	33	33	32	30	32	30	30	30
PCUF	CUFK	28	29	29	29	30	29	31	31	28	29	29	29	29	28	29	28	29	28	29	28	27	26	24	26
Total Co-Gen		61	63	61	62	61	63	64	64	61	60	62	62	63	62	63	62	62	61	61	58	59	56	54	56
Total Gen		13814	13357	13095	12802	12658	12323	12346	12033	11972	11805	11828	11832	12073	12236	12112	12034	12417	13571	14321	14843	15198	15664	15889	15939
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	30	30	30	31	31	30	30	30	30	30	30	29	29	30	30	30	30	30	30	30
TIE-PLTG		38	-32	-12	68	-22	-34	-48	-42	43	78	-7	8	-9	14	57	-51	25	5	-22	3	73	43	51	46
Interconnection		68	-1	17	97	8	-4	-19	-12	73	108	24	39	21	44	87	-1	55	36	8	33	103	74	80	75
System Total		13746	13358	13078	12705	12647	12327	12365	12045	11899	11697	11804	11793	12052	12192	12025	12035	12362	13535	14313	14810	15095	15590	15809	15864
SRev ST-Coal		54	25	16	51	38	41	28	157	191	256	261	261	243	264	260	401	353	341	67	101	84	101	68	105
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
SRev CCGT-Gas		481	748	809	1085	1221	1560	1575	1767	1783	1843	1836	1828	1641	1501	1580	1650	1305	527	716	469	469	511	248	301
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
SRev Co-Gen		-17	-19	-17	-18	-17	-19	-20	-20	-17	-16	-18	-18	-19	-18	-18	-17	-17	-14	-15	-12	-10	-12	-11	-6
Syncon		640	726	827	676	827	827	827	676	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827
Hydro		260	168	151	285	157	149	125	117	276	161	143	146	111	221	91	260	273	127	111	438	484	328	443	470
S.Reserve Total		1418	1648	1786	2079	2226	2558	2535	2848	2909	3071	3049	3044	2804	2643	2740	3119	2740	1954	1854	1680	1325	1227	1000	1059