

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,548 MW
Hydro	2,142 MW
Distillate	0 MW
Total TNB	5,690 MW
Total IPP	13,170 MW
Total Co-Gen	40 MW
Total System	19,464 MW

Generation Mix

Type	MWh	Percentage
Gas	73,464	20.96 %
Hydro	10,210	2.91 %
Total TNB	83,674	23.87 %
ST-Coal	170,455	48.62 %
Gas	96,354	27.49 %
Total IPP	266,809	76.11 %
Co-Gen	791	0.23 %
Total Co-Gen	791	0.23 %
Total Generation	351,274	100.20 %
PLTG	-11	0.00 %
HVDC	722	0.21 %
Interconnection	711	0.20 %
Net Energy	350,563	100.00 %

Maximum Demand Record

Date: 4/20/2016	17,788 MW
Date: 4/20/2016	372,457 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	18,127 MW
TNB Generation	4,417 MW
IPP Generation	12,260 MW
Spinning Reserve	1,419 MW
Maximum Demand	16,685 MW
Net Energy	350,563 MWH
Load Factor	87.54 %

Fuel Cost

Total Cost:	48,352,896.55 RM
Cost per Unit	14.17 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	588
Hydro	552
Syncon	729
Thermal	89
Total	1,958

Time Weather Temperature

Afternoon	Cloudy	32
Morning	Cloudy	28

Gas Usage

Station	(mmscfd)
CBPS	47
GLGR	53
PAKA	193
PGPS	42
SRDG	21
TJGS	214

Total TNB 570

CBPS	54
KLPP	97
MPSS	51
NPRI	46
PDPS	9
PGLA	108
PLPS	78
PTEK	15
SGB3	75
SGRI	157
SKSP	50

Total IPP 740

Total Gas 1,310

Total Gas Required 1,310

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	14050	13342	12942	12511	12280	12124	12312	12159	12733	14328	15371	16017	16031	15727	16206	16574	16643	16245	15131	14797	15965	15844	15446	15041

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
LPIA	HY01	14	14	11	11	11	11	11	14	11	11	11	14	14	14	14	14	14	11	11	11	14	14	11	13
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	6	6	6	6	4	4	2	2	2	2
PCAU	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
PCAU	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
PCAU	HY03	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PCAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	29	25	24	24	24	24	24	21	22
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	50	50	30	30	30	30	30	30	30
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	0	0	30	30	30	30	30	30
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	0	0	30	30	30	30	30	30
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	25	25	0	0	16	16	16	16	16
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	0	0	25	16	16	16	16	16
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	16	16	16	16	16
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	16	16	16	16	16	16	16	16
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	29	32	36	37	31	32	26	27	36	38
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	25	35	35	34	34	31	32	35	38	37
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	31	30	30	27	29	31	33	33	31
TMGR	HY04	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
UJLI	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
UJLI	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
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
Total Hydro		179	154	165	182	157	169	152	159	153	154	152	152	153	156	160	156	194	154	181	346	377	603	781	790
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	CUFK	18	17	18	19	18	19	18	20	19	19	20	20	20	20	19	18	18	17	17	16	15	17	17	17
PCUF	CUFK	14	15	14	13	14	13	13	14	13	13	14	13	14	13	14	13	14	13	15	12	13	14	15	14
Total Co-Gen		32	32	32	32	32	31	32	33	32	33	32	35	33	34	33	34	33	31	31	29	30	29	30	31
Total Gen		14117	13680	13330	13050	12962	12848	12543	12382	12316	12191	12171	12155	12333	12468	12235	12291	12754	13671	14346	14974	15400	15740	16049	
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	30	30	30	30	30	30	30	30	30	30	31	31	30	30	31	31	29	31	31	
TIE-PLTG		36	-76	-42	-80	-11	25	3	-59	6	8	17	-15	-9	8	46	42	-10	-103	-12	4	-1	-16	2	
Interconnection		67	-46	-12	-50	20	55	32	-29	36	38	47	14	21	38	76	73	21	-73	18	35	29	15	32	
System Total		14050	13726	13342	13100	12942	12793	12511	12411	12280	12153	12124	12141	12312	12430	12159	12218	12733	13744	14338	14939	15371	15725	16017	
SRev ST-Coal		122	117	216	218	243	249	253	238	283	276	276	278	266	260	245	236	235	230	250	123	69	39	51	
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		676	803	856	1151	1144	1121	1404	1588	1567	1685	1702	1720	1558	1398	1641	1602	1388	1171	1066	813	779	550	455	
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		8	8	8	8	8	8	9	8	7	8	7	7	8	5	7	6	7	6	7	9	8	9	9	9
Syncon		1124	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275
Hydro		261	135	124	107	132	120	137	130	136	135	137	137	136	133	136	129	133	95	135	258	493	462	496	
S.Reserve Total		1791	2338	2479	2759	2802	2773	3078	3239	3268	3379	3397	3417	3243	3071	3304	3248	3038	2777	2733	2478	2224	1935	1886	