

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,848 MW
Hydro	2,309 MW
Distillate	0 MW
Total TNB	<u>5,157 MW</u>
Total IPP	<u>13,928 MW</u>
Total Co-Gen	<u>70 MW</u>
Total System	<u>19,155 MW</u>

Generation Mix

Type	MWh	Percentage
ST-Gas	24	0.01 %
Gas	38,980	11.86 %
Hydro	17,670	5.38 %
Total TNB	56,674	17.24 %
ST-Coal	160,061	48.69 %
ST-Gas	5,409	1.65 %
Gas	104,525	31.80 %
Total IPP	269,995	82.14 %
Co-Gen	1,488	0.45 %
Total Co-Gen	1,488	0.45 %
Total Generation	328,157	99.83 %
PLTG	158	0.05 %
HVDC	-703	-0.21 %
Interconnection	-545	-0.17 %
Net Energy	328,702	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:	15:30:00 Hour
Total Set On Bus	18,282 MW
TNB Generation	4,033 MW
IPP Generation	12,620 MW
Spinning Reserve	1,570 MW
Maximum Demand	16,750 MW
Net Energy	328,702 MWH
Load Factor	81.77 %

Fuel Cost

Total Cost:	58,468,315.65 RM
Cost per Unit	17.94 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	388
Hydro	313
Syncon	750
Thermal	197
Total	1,648

Time Weather Temperature

Afternoon	Hot	35
Morning	Cloudy	28

Gas Usage

Station	(mmscfd)
CBPS	58
GLGR	54
PAKA	143
PGPS	49
SRDG	36
TJGS	105
PGPS	0
Total TNB	446
CBPS	56
KLPP	111
MPSS	57
NPRI	153
PDPS	23
PGLA	55
PKLG	20
PLPS	84
PTEK	42
SGRI	161
SKSP	43
PKLG	54
Total IPP	859
Total Gas	1,305
Total Gas Required	1,305

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	13055	12431	11876	11626	11391	11273	11595	11644	12316	14273	15447	16156	16204	15937	16562	16701	16673	16058	15268	15129	15867	15782	15313	14934

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
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	-1	-1	-1	20	13	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	18	-1	-1	19	-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	10	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	51	51	51	51	51	51	51
SIHY	HY03	10	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	51	51	51	51	51	51	51
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25
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	80	80	80	80	80	80	80	80	80	80
TMGR	HY02	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80	80	80	80	80	80	80	80	80	80
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	80	80	80	80	80	80	80	80	80	80
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	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
UPIA	HY02	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Total Hydro		408	251	225	179	196	181	184	188	181	180	182	204	193	206	229	231	279	705	770	1229	1168	1073	1101	1221
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	34	34	34	34	34	34	34	34	34	38	38	38	38	36	36	36	36	36	36	35	35	35	35	35
PCUF	CUFK	30	26	27	25	27	26	27	27	27	27	27	27	26	29	27	27	26	25	27	28	26	28	27	25
Total Co-Gen		64	60	61	59	61	60	61	61	61	65	64	67	65	65	63	63	62	62	61	63	64	62	62	63
Total Gen		12996	12617	12381	12185	11852	11804	11572	11485	11366	11267	11224	11294	11586	11824	11641	11700	12272	13411	14258	14963	15464	15831	16158	
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		-29	-29	-29	-29	-29	-30	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	
TIE-PLTG		-30	-21	-20	13	4	18	-24	-36	4	-8	-20	30	19	64	27	17	-14	40	15	52	46	6	31	
Interconnection		-59	-50	-50	-17	-24	-11	-54	-65	-25	-38	-49	1	-9	36	-3	-12	-44	10	-15	23	17	-23	2	
System Total		13055	12667	12431	12202	11876	11815	11626	11550	11391	11305	11273	11293	11595	11788	11644	11712	12316	13401	14273	14940	15447	15854	16156	
SRev ST-Coal		190	200	198	208	196	259	185	204	207	206	205	199	185	192	197	197	191	207	160	172	154	150	144	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-12	-5	-5	-1	1	
SRev CCGT-Gas		362	567	520	654	1019	995	1329	1397	1509	1606	1659	1965	1756	1522	1721	1663	1144	769	633	521	402	287	215	
SRev ST-Gas		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	28	29	59	63	67	72	52	36	39	
SRev Co-Gen		6	10	9	11	9	10	9	9	9	9	5	6	3	5	5	7	7	8	8	9	7	6	8	
Syncon		1250	1351	1452	1452	1301	1452	1452	1452	1452	1301	1301	1301	1452	1452	1452	822	1124	762	762	762	676	827	762	913
Hydro		213	169	94	140	274	138	135	131	138	139	137	266	277	264	140	138	90	394	128	266	352	372	344	
S.Reserve Total		2020	2296	2272	2464	2798	2853	3109	3192	3314	3411	3457	3736	3521	3283	3514	3456	2883	2199	2069	1754	1731	1639	1541	