

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,285 MW
Hydro	2,357 MW
Distillate	0 MW
Total TNB	5,642 MW
Total IPP	14,261 MW
Total Co-Gen	0 MW
Total System	19,903 MW

Generation Mix

Type	MWh	Percentage
Gas	54,099	15.96 %
Hydro	12,326	3.64 %
Total TNB	66,425	19.60 %
ST-Coal	175,221	51.69 %
Gas	98,633	29.10 %
Total IPP	273,854	80.79 %
Co-Gen	434	0.13 %
Total Co-Gen	434	0.13 %
Total Generation	340,713	100.51 %
PLTG	1,092	0.32 %
HVDC	640	0.19 %
Interconnection	1,732	0.51 %
Net Energy	338,981	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	17,934 MW
TNB Generation	3,697 MW
IPP Generation	12,787 MW
Spinning Reserve	1,432 MW
Maximum Demand	16,453 MW
Net Energy	338,981 MWH
Load Factor	85.85 %

Fuel Cost

Total Cost:	46,337,927.95 RM
Cost per Unit	14.11 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	369
Hydro	383
Syncon	706
Thermal	203
Total	1,661

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
CBPS	48
GLGR	54
PAKA	58
PGPS	19
SRDG	9
TJGS	218
Total TNB	405

CBPS	55
KLPP	98
MPSS	52
NPRI	142
PDPS	4
PGLA	95
PKLG	10
PLPS	70
PTEK	17
SGRI	157
SKSP	34
Total IPP	734

Total Gas 1,139

Total Gas Required 1,139

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	12876	12289	11655	11482	11209	11051	11171	11445	12126	14264	15152	15807	15855	15572	16125	16391	16425	16086	14988	15098	15722	15548	15112	14676

Daily MW Generation on Monday

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	
TMGR	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	
TMGR	HY04	34	35	34	34	34	35	35	35	35	35	35	35	35	35	34	34	34	34	34	34	34	34	34	37	
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	93	92	91	93	93	97	87	91	91	89
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	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
Total Hydro		194	196	195	215	194	203	197	197	197	198	215	195	195	197	197	198	229	440	562	763	777	881	1006	1053	
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	19	20	19	18	20	18	17	19	19	19	18	18	19	18	20	21	15	17	18	20	18	17	16	18	
Total Co-Gen		19	20	19	18	20	18	17	19	19	19	18	18	19	18	20	21	15	17	18	20	18	17	16	18	
Total Gen		12844	12578	12301	12007	11700	11603	11560	11392	11281	11291	11141	11219	11200	11510	11542	11729	12190	13279	14282	14944	15270	15568	15825	16071	
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	31	29	29	31	31	31	30	30	30	30	30	30	30	30	31	31	31	31	31	31	31	
TIE-PLTG		-3	37	41	44	16	52	47	33	41	65	60	42	-1	55	67	71	35	12	-13	141	88	32	-12	43	
Interconnection		-32	7	12	74	45	81	78	64	72	96	90	71	29	85	97	102	64	42	18	172	118	62	18	73	
System Total		12876	12571	12289	11833	11655	11522	11482	11328	11209	11195	11051	11148	11171	11425	11445	11627	12126	13237	14264	14772	15152	15506	15807	15998	
SRev ST-Coal		374	373	370	364	366	366	369	372	375	369	369	365	369	371	368	359	361	364	345	346	214	194	185	172	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	104	71	68	155	83	77	
SRev CCGT-Gas		540	582	860	758	1044	1148	1181	1348	1456	1453	1620	1694	1710	1495	1464	1638	2015	1293	824	406	390	394	276	339	
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		1	0	1	2	0	2	3	1	1	1	2	1	2	2	1	2	0	-1	5	3	2	0	2	3	
Syncon		1303	1303	1303	1152	1303	1303	1303	1303	1303	1303	1152	1303	1303	1303	1303	1101	914	788	601	601	601	601	450	828	
Hydro		109	107	108	239	109	100	82	82	82	81	215	84	84	82	106	105	124	115	230	255	428	520	395	348	
S.Reserve Total		2327	2365	2642	2515	2822	2919	2938	3106	3217	3207	3357	3448	3467	3253	3243	3406	3805	2873	2312	1800	1740	1782	1525	1617	