

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,828 MW
Hydro	2,215 MW
Distillate	0 MW
Total TNB	5,043 MW
Total IPP	14,270 MW
Total Co-Gen	0 MW
Total System	19,877 MW

Generation Mix

Type	MWh	Percentage
Gas	50,138	15.01 %
Hydro	15,892	4.76 %
Total TNB	66,030	19.77 %
ST-Coal	183,637	54.97 %
Gas	83,385	24.96 %
Total IPP	267,022	79.93 %
Co-Gen	1,610	0.48 %
Total Co-Gen	1,610	0.48 %
Total Generation	334,662	100.18 %
PLTG	-124	-0.04 %
HVDC	724	0.22 %
Interconnection	600	0.18 %
Net Energy	334,062	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	17,458 MW
TNB Generation	3,468 MW
IPP Generation	12,270 MW
Spinning Reserve	1,654 MW
Maximum Demand	15,776 MW
Net Energy	334,062 MWH
Load Factor	88.23 %

Fuel Cost

Total Cost:	56,043,957.70 RM
Cost per Unit	17.58 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	632
Hydro	361
Syncon	723
Thermal	139
Total	1,855

Time Weather Temperature

Afternoon	Cloudy	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
CBPS	46
GLGR	53
PAKA	149
PGPS	40
SRDG	13
TJGS	104
Total TNB	404
CBPS	51
KLPP	94
MPSS	48
NPRI	136
PGLA	50
PLPS	79
PTEK	17
SGRI	165
Total IPP	641
Total Gas	1,045
Total Gas Required	1,045

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	13372	12817	12458	12019	11739	11639	11875	11954	12161	13560	14665	15398	15344	14985	15189	15640	15713	15297	14519	14398	15229	15026	14375	14007

Daily MW Generation on Friday

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	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
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	36	35	36	36	37	36	36	37	36	37	36	35	36	35	34	33	33	35	-1	-1	-1	-1	-1	-1
UJLI	HY01	180	-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	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		877	633	642	664	640	543	410	396	244	201	197	195	224	200	197	192	198	246	402	392	389	672	1018	1108
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	30	32	33	34	35	34	35	32	34	34	33	34	35	34	36	35	34	33	33	35	34	34	33	35
PCUF	CUFK	28	30	29	29	30	29	29	29	30	29	30	28	29	30	28	33	39	38	37	36	33	32	33	32
Total Co-Gen		58	62	62	63	65	63	64	61	63	64	62	63	65	64	61	62	65	62	69	74	72	70	70	70
Total Gen		13405	13019	12786	12667	12454	12213	12011	11935	11728	11712	11658	11767	11925	12111	12023	11929	12192	12966	13529	14335	14708	15119	15458	15588
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	31	31	31	31	31	31	31	31	30	30	30	30	30	31	31	30	29	29	30	30	30	30	30
TIE-PLTG		3	-35	-62	-28	-35	2	-39	5	-42	-47	-11	-9	20	20	39	52	0	-3	-61	19	13	43	30	5
Interconnection		33	-4	-31	3	-4	33	-8	36	-11	-18	19	21	50	50	69	83	31	27	-31	49	43	73	60	35
System Total		13372	13023	12817	12664	12458	12180	12019	11899	11739	11730	11639	11746	11875	12061	11954	11846	12161	12939	13560	14286	14665	15046	15398	15553
SRev ST-Coal		133	179	164	178	165	188	161	181	180	174	185	168	173	174	168	179	194	194	174	179	191	182	141	156
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		1152	1049	1123	1200	1464	1584	1681	1721	1775	1757	1795	1603	1473	1260	1342	1734	1576	1003	932	778	551	482	519	532
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		-10	-14	-14	-15	-17	-15	-16	-13	-15	-16	-14	-15	-17	-16	-13	-14	-17	-14	-21	-26	-24	-22	-22	-22
Syncon		939	1252	1252	1101	1252	1353	1454	1454	1454	1454	1454	1454	1303	1454	1454	1454	1303	1252	1252	1252	950	608	608	608
Hydro		159	90	81	210	83	79	111	125	127	106	110	112	234	107	110	115	109	212	107	117	120	314	499	409
S.Reserve Total		2373	2556	2606	2674	2947	3189	3391	3468	3521	3475	3530	3322	3166	2979	3067	3457	3301	2698	2464	2295	2078	1915	1786	1668