

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,590 MW
Hydro	2,086 MW
Distillate	0 MW
Total TNB	5,676 MW
Total IPP	13,817 MW
Total Co-Gen	39 MW
Total System	20,096 MW

Generation Mix

Type	MWh	Percentage
Gas	53,032	15.71 %
Hydro	9,960	2.95 %
Total TNB	62,992	18.67 %
ST-Coal	166,044	49.20 %
Gas	106,465	31.55 %
Total IPP	272,509	80.75 %
Co-Gen	636	0.19 %
Total Co-Gen	636	0.19 %
Total Generation	336,137	99.60 %
PLTG	-791	-0.23 %
HVDC	-547	-0.16 %
Interconnection	-1,338	-0.40 %
Net Energy	337,475	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:	16:00:00 Hour
Total Set On Bus	17,183 MW
TNB Generation	3,337 MW
IPP Generation	12,356 MW
Spinning Reserve	1,465 MW
Maximum Demand	15,859 MW
Net Energy	337,475 MWH
Load Factor	88.67 %

Fuel Cost

Total Cost:	46,603,678.60 RM
Cost per Unit	14.29 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	361
Hydro	303
Syncon	635
Thermal	105
Total	1,404

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Rainy	27

Gas Usage

Station	(mmscfd)
CBPS	26
GLGR	32
PAKA	49
PGPS	42
SRDG	33
TJGS	220
Total TNB	402
CBPS	55
KLPP	105
MPSS	51
NPRI	87
PDPS	14
PGLA	111
PKLG	20
PLPS	93
PTEK	38
SGRI	201
SKSP	56
Total IPP	831
Total Gas	1,233
Total Gas Required	1,233

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	13789	13159	12628	12239	11958	11850	11925	11925	12273	14019	14835	15425	15437	14987	15192	15734	15859	15550	14490	14268	15327	15081	14684	14249

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		
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	25	25	25	16	0	0
TMGR	HY01	-1	-1	-1	58	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	60	60	59	58	-1	0
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	62	62	60	58	-1	0
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	82	82	82	82	30	30	30	35	35	38	32	57	57	0	0
TMGR	HY04	36	38	39	60	35	35	35	35	35	35	42	36	35	36	36	85	83	85	84	84	84	84	32	32	32	38
UJLI	HY02	0	0	0	0	0	0	0	0	0	0	0	182	0	92	149	131	98	94	0	0	0	0	0	0	0	0
UPIA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Total Hydro		156	161	163	468	181	162	161	160	161	160	160	175	163	160	163	162	249	450	275	446	506	552	514	404	206	
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	0	
PCUF	CUFG	10	11	10	11	10	10	10	11	10	10	12	10	11	11	10	10	10	8	8	10	9	10	9	9	10	10
PCUF	CUFK	17	16	16	18	16	17	17	18	16	16	17	16	17	16	17	16	16	16	16	16	16	16	16	16	16	16
Total Co-Gen		27	27	26	29	26	27	27	28	29	26	27	27	26	28	27	27	28	27	27	27	27	27	25	25	29	
Total Gen		13814	13456	13171	12851	12627	12465	12229	12149	11964	12022	11862	11963	11968	12142	11981	11822	12230	13170	14005	14340	14642	15052	15283	15366	15274	
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	0	0
TIE-HVDC		30	30	30	30	30	30	30	30	30	30	31	31	30	31	-97	-98	-98	-99	-97	-99	-96	-99	-97	-99	-99	-98
TIE-PLTG		-5	-11	-18	-82	-31	-24	-40	-19	-24	-1	-19	-21	13	-28	25	-49	-73	-67	-45	-9	-94	-32	-42	-127	-64	
Interconnection		25	20	12	-33	-1	6	-10	11	6	29	12	9	43	2	56	-18	-43	-37	-14	-106	-193	-130	-142	-224		
System Total		13789	13436	13159	12904	12628	12459	12239	12138	11958	11963	11850	11954	11925	12140	11925	11840	12273	13207	14019	14446	14835	15182	15425	15590	15437	
SRev ST-Coal		267	335	344	306	290	231	225	226	247	238	229	232	214	219	219	226	215	243	114	110	112	94	77	69	76	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39	60	100	71	17	15	25	132	201	
SRev CCGT-Gas		756	929	1073	1128	1019	1040	1100	1181	1346	1295	1464	1362	887	723	821	1130	1038	688	374	390	154	175	183	155	192	
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	0	0
SRev Co-Gen		12	12	13	10	13	12	12	11	10	13	12	12	13	11	12	10	12	11	12	12	12	12	13	14	14	14
Syncon		803	803	803	315	652	803	803	803	803	803	803	803	803	803	803	803	803	803	803	803	677	677	803	803	652	652
Hydro		147	142	140	323	273	141	142	143	143	142	143	143	128	140	143	140	141	54	86	76	175	115	195	233	217	
S.Reserve Total		1985	2221	2373	2082	2247	2227	2282	2364	2549	2491	2650	2552	2060	1884	1695	2312	2208	1886	1396	1461	1257	1330	1208	1125	1217	