

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,604 MW
Hydro	2,335 MW
Distillate	0 MW
Total TNB	5,939 MW
Total IPP	13,312 MW
Total Co-Gen	90 MW
Total System	19,341 MW

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	17,176 MW
TNB Generation	4,157 MW
IPP Generation	11,567 MW
Spinning Reserve	1,372 MW
Maximum Demand	15,817 MW
Net Energy	334,767 MWH
Load Factor	88.19 %

Gas Usage

Station	(mmscfd)
CBPS	47
GLGR	54
PAKA	176
PGPS	41
TJGS	210
Total TNB	527
KLPP	91
MPSS	48
NPRI	146
PGLA	98
PLPS	86
SGB3	56
SGRI	170
PKLG	0
Total IPP	696
Total Gas	1,223

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
Gas	68,449	20.45 %
Hydro	18,220	5.44 %
Total TNB	86,669	25.89 %
ST-Coal	155,533	46.46 %
ST-Gas	35	0.01 %
Gas	91,002	27.18 %
Total IPP	246,570	73.65 %
Co-Gen	1,945	0.58 %
Total Co-Gen	1,945	0.58 %
Total Generation	335,184	100.12 %
PLTG	-310	-0.09 %
HVDC	727	0.22 %
Interconnection	417	0.12 %
Net Energy	334,767	100.00 %

Fuel Cost

Total Cost:	56,510,186.05 RM
Cost per Unit	17.82 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	704
Hydro	237
Syncon	777
Thermal	112
Total	1,830

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	28

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	13493	12998	12504	12152	11862	11772	12056	12143	12316	13793	14683	15259	15168	14662	14930	15649	15815	15589	14670	14445	15087	14914	14381	14049

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	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY02	82	-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	85	85	84	38	37	36	37	39	37	37	37	36	39	37	37	34	40	35	33	35	41	37	43	41
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
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		1107	982	979	882	666	646	648	652	748	676	675	710	753	770	750	746	754	743	742	736	810	880	922	909
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	48	48	48	48	48	49	48	48	49	49	49	47	48	49	48	48	49	50	48	48	48	48	47	47
PCUF	CUFK	31	31	33	32	34	32	32	33	32	33	33	31	32	34	32	31	33	33	33	31	33	33	32	32
Total Co-Gen		79	79	81	80	82	81	80	81	81	81	82	82	78	80	83	80	79	82	83	81	79	81	81	79
Total Gen		13539	13189	12976	12972	12478	12324	12164	12050	11899	11851	11767	11829	12108	12236	12159	12192	12366	12945	13801	14268	14700	14958	15214	15290
TIE-EGAT		0	0	0	0	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TIE-HVDC		30	31	31	30	30	31	30	30	30	29	29	31	31	30	30	31	31	31	30	30	31	31	30	30
TIE-PLTG		16	-8	-53	-11	-56	-30	-17	-4	7	-14	-35	-2	23	51	-15	78	20	6	-23	1	-14	-14	-75	-104
Interconnection		46	22	-22	19	-26	1	12	25	37	16	-5	28	52	81	16	108	50	37	8	32	17	16	-45	-74
System Total		13493	13167	12998	12953	12504	12323	12152	12025	11862	11835	11772	11801	12056	12155	12143	12084	12316	12908	13793	14236	14683	14942	15259	15364
SRev ST-Coal		81	111	165	205	174	146	145	143	137	147	140	145	151	159	157	149	153	161	144	146	111	95	79	102
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		1279	1250	1308	1319	1596	1756	1918	2038	2293	2259	2352	2318	2073	1956	2017	1986	1815	1656	1397	1267	1130	1034	836	724
SRev ST-Gas		32	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		11	11	9	10	8	9	10	9	9	9	8	8	12	10	7	10	11	8	7	9	11	9	9	9
Syncon		459	547	547	547	698	849	849	849	849	849	849	849	849	849	849	849	849	849	849	849	849	849	849	849
Hydro		342	279	282	229	294	163	161	157	161	233	234	199	156	290	159	163	155	166	167	149	175	230	213	226
S.Reserve Total		2204	2198	2311	2310	2770	2923	3083	3196	3449	3497	3583	3519	3241	3113	3189	3157	2983	2840	2564	2420	2276	2217	1986	1910