

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,757 MW
Hydro	2,218 MW
Distillate	0 MW
Total TNB	5,975 MW
Total IPP	15,082 MW
Total Co-Gen	0 MW
Total System	21,057 MW

Generation Mix

Type	MWh	Percentage
Gas	64,742	18.95 %
Hydro	7,210	2.11 %
Total TNB	71,952	21.06 %
ST-Coal	190,069	55.64 %
ST-Oil	9,199	2.69 %
Gas	69,741	20.42 %
Total IPP	269,009	78.75 %
Co-Gen	1,430	0.42 %
Total Co-Gen	1,430	0.42 %
Total Generation	342,391	100.23 %
PLTG	79	0.02 %
HVDC	702	0.21 %
Interconnection	781	0.23 %
Net Energy	341,610	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	17,393 MW
TNB Generation	3,559 MW
IPP Generation	12,167 MW
Spinning Reserve	1,609 MW
Maximum Demand	15,802 MW
Net Energy	341,610 MWH
Load Factor	90.08 %

Fuel Cost

Total Cost:	45,545,693.90 RM
Cost per Unit	13.59 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	525
Hydro	105
Syncon	1,108
Thermal	178
Total	1,916

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
CBPS	44
GLGR	28
PAKA	173
PGPS	37
TJGS	193
Total TNB	476
CBPS	47
KLPP	87
MPSS	46
NPRI	131
PGLA	79
PLPS	30
SGRI	77

Total IPP 497

Total Gas 973

Total Gas Required 1,059

Alternate Fuel Usage

Station	(mmscfd)
PKLG	87
Total	87

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	14165	13577	13011	12608	12336	12158	12286	12258	12574	14099	14960	15650	15580	15155	15243	15722	15720	15500	14458	14377	15325	15183	14741	14441

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
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
Total Hydro		289	295	229	234	203	167	175	159	146	156	159	163	194	242	160	160	176	187	236	340	175	436	462	505
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	CUPG	31	33	42	41	42	41	42	44	42	43	42	42	43	42	43	42	41	44	42	43	42	41	41	40
PCUF	CUFK	18	19	18	18	19	18	19	17	18	18	17	19	19	18	18	17	18	19	18	17	17	18	17	18
Total Co-Gen		49	52	60	59	61	59	61	61	60	61	59	61	62	60	60	60	62	62	59	60	62	61	61	62
Total Gen		14222	13793	13611	13317	13058	12829	12615	12459	12367	12245	12210	12169	12320	12531	12308	12201	12580	13535	14039	14598	14986	15398	15643	15735
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		31	31	30	30	30	30	30	30	30	29	29	30	30	30	30	30	30	30	29	29	30	30	29	30
TIE-PLTG		26	-42	5	-6	17	33	-23	43	1	36	23	-38	3	1	20	26	-24	9	-90	1	-4	-36	-37	-28
Interconnection		57	-12	34	24	47	63	7	73	31	66	52	-9	34	32	50	56	6	39	-60	31	26	-5	-7	
System Total		14165	13805	13577	13293	13011	12766	12608	12386	12336	12179	12158	12178	12286	12499	12258	12145	12574	13496	14099	14567	14960	15403	15650	15734
SRev ST-Coal		176	185	199	287	261	440	387	459	452	366	364	370	311	257	258	271	245	243	326	224	140	142	134	143
SRev ST-Oil		1	-17	-28	2	1	54	73	71	72	72	71	71	79	16	6	2	1	1	4	6	-10	-18	-17	-18
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		1096	1423	1317	1527	1784	1867	1819	1841	1850	1580	1629	1504	1398	1593	1699	1454	920	1129	915	728	663	437	393	510
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		-29	-32	-40	-39	-41	-39	-41	-41	-40	-41	-39	-41	-42	-40	-40	-40	-42	-42	-39	-40	-42	-40	-42	-40
Syncon		1144	1144	1144	993	1144	1144	1144	1144	1144	1144	1144	1144	993	1144	1144	1144	1137	1137	1137	1137	986	1137	1144	1144
Hydro		296	263	279	400	280	291	283	149	162	152	149	145	114	217	148	148	132	121	72	-25	133	-21	-47	10
S.Reserve Total		2684	2966	2871	3170	3429	3757	3665	3623	3640	3632	3271	3312	3162	2951	3173	3280	3040	2404	2552	2316	2190	1878	1633	1641