

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,285 MW
Hydro	2,171 MW
Distillate	0 MW
Total TNB	5,456 MW
Total IPP	14,293 MW
Total Co-Gen	20 MW
Total System	19,769 MW

Generation Mix

Type	MWh	Percentage
Gas	66,717	18.90 %
Hydro	11,560	3.28 %
Distillate	52	0.01 %
Total TNB	78,329	22.19 %
ST-Coal	169,516	48.03 %
Gas	105,798	29.98 %
Total IPP	275,314	78.01 %
Co-Gen	428	0.12 %
Total Co-Gen	428	0.12 %
Total Generation	354,071	100.32 %
PLTG	415	0.12 %
HVDC	720	0.20 %
Interconnection	1,135	0.32 %
Net Energy	352,936	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:	14:30:00 Hour
Total Set On Bus	18,092 MW
TNB Generation	3,962 MW
IPP Generation	12,582 MW
Spinning Reserve	1,531 MW
Maximum Demand	16,507 MW
Net Energy	352,936 MWH
Load Factor	89.09 %

Fuel Cost

Total Cost:	49,781,577.05 RM
Cost per Unit	14.54 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	390
Hydro	445
Syncon	814
Thermal	192
Total	1,841

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
CBPS	59
GLGR	55
PAKA	148
PGPS	26
SRDG	10
TJGS	214
Total TNB	513
CBPS	56
KLPP	100
MPSS	51
NPRI	147
PGLA	111
PKLG	2
PLPS	93
PTEK	16
SGRI	171
SKSP	51
Total IPP	796
Total Gas	1,309
Total Gas Required	1,310

Alternate Fuel Usage

Station	(mmscfd)
SRDG	1
Total	1

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	14414	13829	13191	12765	12456	12234	12266	12404	12861	14648	15629	16200	16234	15947	16333	16480	16373	16031	15075	15142	15958	15724	15173	14783



Daily MW Generation on Thursday

Table with columns: Station, Unit, and 48 hourly intervals (0000 to 2300). Rows include various power stations like JMAH, JMJC, PKLG, TBIN, CBPS, GLGR, KLPP, MPSS, NPR1, PAKA, PGLA, PCPS, and PLPS.

Daily MW Generation on Thursday

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	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
TMGR	HY04	34	35	34	34	34	35	35	35	34	35	34	34	34	34	39	39	40	40	39	39	39	39	40	39
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		191	191	191	192	193	175	175	197	175	174	174	174	174	167	167	174	180	238	237	279	401	673	1084	920
SRDG	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	17	17	17	18	18	17	18	17	16	18	19	18	18	18	20	19	16	19	18	19	17	21	17	19
Total Co-Gen		17	17	17	18	18	17	18	17	16	18	19	18	18	18	20	19	16	19	18	19	17	21	17	19
Total Gen		14477	14121	13856	13600	13254	13091	12818	12781	12523	12503	12257	12270	12328	12562	12458	12502	12969	13992	14670	15175	15666	15949	16371	16483
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	29	29	30	30	31	31	31	30	29	29	30	30	31	29	29	30	29	30	31	32	31	31
TIE-PLTG		31	23	-2	-14	33	63	22	20	36	28	-8	1	33	-9	23	25	-21	-25	-10	-13	6	-3	140	56
Interconnection		63	55	27	15	63	93	53	51	67	59	23	32	62	20	54	54	8	5	22	18	37	28	171	85
System Total		14414	14066	13829	13585	13191	12998	12765	12730	12456	12444	12234	12247	12266	12542	12464	12448	12861	13987	14648	15157	15629	15921	16200	16398
SRev ST-Coal		189	199	185	115	197	289	240	288	283	282	275	282	287	288	278	280	277	390	313	268	276	174	181	172
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		633	826	1002	1079	1344	1369	1782	1729	1957	1981	2236	2204	2152	1910	2022	2013	1551	784	547	338	281	458	562	288
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 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
SRev Co-Gen		3	3	3	2	2	3	2	3	4	2	1	2	2	1	2	2	1	4	1	2	1	3	-1	3
Syncon		1303	1303	1303	1303	1152	1303	1303	1303	1303	1303	1303	1303	1303	1303	1152	1051	799	547	547	874	788	788	738	637
Hydro		114	114	114	113	263	130	130	259	130	131	131	131	131	138	138	131	125	167	168	277	406	495	536	750
S.Reserve Total		2242	2445	2607	2612	2956	3094	3457	3431	3677	3699	3946	3922	3875	3640	3743	3729	3258	2644	2332	2039	2029	1925	1889	1795