

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,205 MW
Hydro	2,421 MW
Distillate	0 MW
Total TNB	5,626 MW
Total IPP	13,808 MW
Total Co-Gen	0 MW
Total System	19,998 MW

Generation Mix

Type	MWh	Percentage
Gas	66,036	18.90 %
Hydro	7,740	2.22 %
Total TNB	73,776	21.11 %
ST-Coal	199,491	57.10 %
Gas	74,774	21.40 %
Total IPP	274,265	78.50 %
Co-Gen	1,191	0.34 %
Total Co-Gen	1,191	0.34 %
Total Generation	349,232	99.95 %
PLTG	527	0.15 %
HVDC	-696	-0.20 %
Interconnection	-169	-0.05 %
Net Energy	349,401	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	18,453 MW
TNB Generation	3,686 MW
IPP Generation	12,631 MW
Spinning Reserve	2,088 MW
Maximum Demand	16,372 MW
Net Energy	349,401 MWH
Load Factor	88.92 %

Fuel Cost

Total Cost:	48,112,591.65 RM
Cost per Unit	14.15 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	286
Hydro	202
Syncon	1,279
Thermal	199
Total	1,966

Time	Weather	Temperature
Afternoon	Hot	32
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	14191	13508	13027	12642	12370	12227	12390	12240	12601	14386	15356	16047	16016	15626	16065	16281	16316	15920	14923	15256	15838	15770	15305	14747

Gas Usage

Station	(mmscfd)
CBPS	58
GLGR	16
PAKA	193
PGPS	27
SRDG	17
TJGS	203
Total TNB	514
KLPP	96
MPSS	31
NPRI	150
PKLG	10
PLPS	19
PTEK	19
SGB3	73
SGRI	186
Total IPP	584

Total Gas 1,097

Total Gas Required 1,097

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Daily MW Generation on Wednesday

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	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	-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	37	37	35	35	35	32	35	29	35	33	33	37	37	37	36	33	39	42	38	38	38	46	41	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
Total Hydro		193	171	170	185	192	162	168	155	167	162	163	170	171	196	169	163	212	169	222	225	222	500	550	569
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	31	30	30	30	31	32	31	31	30	32	32	31	32	32	33	36	34	34	34	35	34	34	33	32
PCUF	CUFK	18	17	17	19	17	17	18	17	18	20	18	18	19	19	18	18	18	18	18	19	18	17	17	17
Total Co-Gen		49	47	47	49	48	49	49	48	48	52	50	49	51	51	50	51	54	52	52	53	53	51	51	50
Total Gen		14184	13760	13501	13196	13020	12843	12634	12498	12364	12240	12220	12242	12383	12487	12233	12125	12595	13602	14380	14949	15348	15754	16040	16121
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		-29	-29	-29	-29	-29	-30	-30	-28	-28	-29	-29	-29	-29	-29	-28	-28	-28	-28	-30	-30	-29	-29	-29	-29
TIE-PLTG		22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
Interconnection		-7	-7	-7	-7	-7	-8	-8	-6	-6	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7
System Total		14191	13767	13508	13203	13027	12850	12642	12506	12370	12246	12227	12249	12390	12494	12240	12132	12601	13608	14386	14955	15356	15762	16047	16128
SRev ST-Coal		185	174	278	316	313	299	296	335	329	332	307	315	305	308	304	317	322	298	324	225	188	203	194	180
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-3	54	-7	5	2	14
SRev CCGT-Gas		698	677	622	906	1091	1253	1471	1554	1706	1826	1870	1846	1718	1636	1822	1912	1642	1090	650	358	154	211	95	
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	-27	-27	-29	-28	-29	-29	-28	-28	-32	-30	-29	-31	-30	-31	-32	-32	-33	-33	-31	-30	-29	-31	-30
Syncon		1302	1453	1453	1453	1302	1453	1453	1453	1453	1453	1453	1302	1453	1453	1453	1352	1352	1352	1125	1125	1125	1125	1125	1125
Hydro		250	121	122	107	251	130	124	137	125	130	129	122	121	247	123	129	80	123	171	168	171	120	208	229
S.Reserve Total		2406	2398	2448	2753	2929	3106	3315	3451	3585	3709	3729	3707	3566	3462	3672	3789	3463	2932	2462	2124	1825	1633	1593	1612