

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,188 MW
Hydro	1,784 MW
Distillate	0 MW
Total TNB	5,972 MW
Total IPP	15,305 MW
Total Co-Gen	50 MW
Total System	21,327 MW

Generation Mix

Type	MWh	Percentage
Gas	49,859	14.08 %
Hydro	8,616	2.43 %
Total TNB	58,475	16.51 %
ST-Coal	195,868	55.30 %
ST-Gas	1,810	0.51 %
Gas	97,751	27.60 %
Total IPP	295,429	83.41 %
Co-Gen	1,112	0.31 %
Total Co-Gen	1,112	0.31 %
Total Generation	355,016	100.23 %
PLTG	96	0.03 %
HVDC	729	0.21 %
Interconnection	825	0.23 %
Net Energy	354,191	100.00 %

Maximum Demand Record

Date: 3/21/2016	17,358 MW
Date: 3/10/2016	359,307 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	18,165 MW
TNB Generation	3,221 MW
IPP Generation	13,687 MW
Spinning Reserve	1,212 MW
Maximum Demand	16,958 MW
Net Energy	354,191 MWH
Load Factor	87.03 %

Fuel Cost

Total Cost:	48,026,717.10 RM
Cost per Unit	13.86 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	381
Hydro	260
Syncon	614
Thermal	135
Total	1,390

Time Weather Temperature

Afternoon	Hot	37
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	14712	14038	13601	13136	12866	12553	12463	12411	12630	14355	15288	16060	16132	15727	16042	16744	16958	16558	15231	14699	15762	15649	15244	15049

Gas Usage

Station	(mmscfd)
GLGR	53
PAKA	48
PGPS	43
SRDG	10
TJGS	215
Total TNB	369
KLPP	99
MPSS	51
NPRI	150
PDPS	4
PGLA	111
PKLG	7
PLPS	93
PTEK	22
SGRI	167
SKSP	37
PKLG	19
Total IPP	759
Total Gas	1,128
Total Gas Required	1,128

Alternate Fuel Usage

Station	(mmscfd)
Total	0

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		
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	-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		239	183	212	207	193	171	186	167	168	167	167	182	153	185	152	163	175	181	168	171	299	422	811	938		
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	20	20	18	19	19	19	20	19	21	18	19	20	20	21	21	20	19	18	18	19	19	19	19	19		
PCUF	CUFK	23	28	28	28	28	27	27	29	27	30	27	28	29	28	28	27	28	29	28	28	29	28	30	28		
Total Co-Gen		43	48	46	47	47	46	47	48	48	48	46	48	49	48	48	49	45	42	43	44	45	45	46	47		
Total Gen		14720	14311	14065	13801	13631	13400	13162	12977	12850	12736	12593	12553	12513	12686	12465	12299	12634	13774	14436	14912	15370	15719	16035	16262		
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		32	30	29	31	31	31	31	31	30	30	31	31	32	30	30	29	29	30	30	30	30	30	31	31		
TIE-PLTG		-24	60	-3	7	0	2	-5	-2	-46	94	10	65	20	6	22	-19	-26	-8	51	19	51	-16	-55	1		
Interconnection		8	90	27	37	30	33	26	28	-16	124	40	96	50	38	54	11	4	22	81	49	82	14	-25	31		
System Total		14712	14221	14038	13764	13601	13367	13136	12949	12866	12612	12553	12457	12463	12648	12411	12288	12630	13752	14355	14863	15288	15705	16060	16231		
SRev ST-Coal		163	219	226	237	216	240	214	239	233	224	233	230	208	193	183	236	219	225	237	238	168	196	150	153	128	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-2	0	-1	-2	52	
SRev CCGT-Gas		345	537	514	411	484	691	972	1117	1227	1349	1479	1540	1575	1448	1646	1820	1609	866	839	557	381	213	334	371	385	
SRev ST-Gas		11	-3	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	-1	5	0	11	
SRev Co-Gen		7	2	4	3	3	4	3	2	2	2	4	2	1	2	2	2	2	1	0	1	5	8	7	6	5	
Syncon		500	651	651	651	802	802	802	802	802	802	802	802	651	802	651	802	802	802	802	802	802	630	529	529	630	714
Hydro		367	272	243	248	111	133	118	137	136	137	137	273	151	270	152	141	129	123	136	133	90	112	144	98	166	
S.Reserve Total		1393	1678	1738	1550	1616	1870	2109	2297	2400	2514	2655	2696	2737	2564	2785	3001	2760	2016	2015	1735	1449	1346	1263	1159	1213	