

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,791 MW
Hydro	2,016 MW
Distillate	0 MW
Total TNB	4,807 MW
Total IPP	15,586 MW
Total Co-Gen	0 MW
Total System	20,957 MW

Generation Mix

Type	MWh	Percentage
Gas	42,710	12.10 %
Hydro	21,628	6.13 %
Total TNB	64,338	18.22 %
ST-Coal	196,706	55.71 %
Gas	91,176	25.82 %
Total IPP	287,882	81.53 %
Co-Gen	1,255	0.36 %
Total Co-Gen	1,255	0.36 %
Total Generation	353,475	100.11 %
PLTG	-290	-0.08 %
HVDC	674	0.19 %
Interconnection	384	0.11 %
Net Energy	353,091	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:	16:00:00 Hour
Total Set On Bus	18,009 MW
TNB Generation	3,458 MW
IPP Generation	13,508 MW
Spinning Reserve	990 MW
Maximum Demand	16,997 MW
Net Energy	353,091 MWH
Load Factor	86.56 %

Fuel Cost

Total Cost:	55,377,740.73 RM
Cost per Unit	16.69 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	324
Hydro	359
Syncon	509
Thermal	201
Total	1,393

Time Weather Temperature

Afternoon	Hot	35
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	53
PGPS	39
SRDG	6
TJGS	212
Total TNB	311
CBPS	55
KLPP	95
NPRI	147
PGLA	103
PKLG	3
PLPS	92
PTEK	23
SGB3	70
YPKA	78
Total IPP	666
Total Gas	977

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Total Gas Required 977

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	13655	12936	12433	12018	11860	11693	12055	12053	12695	14608	15707	16354	16209	15959	16548	16902	16997	16633	15488	15419	16340	16210	15801	15285

Daily MW Generation on Monday

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
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	5	6	12	14	16	17	18	16	19	18	18	17	18	32	33	31	32	31	32	31	30	29	30	29
PCUF	CUFK	8	30	28	30	29	29	28	29	28	28	27	29	29	28	30	30	27	27	28	29	28	31	27	28
Total Co-Gen		13	36	40	44	45	46	46	45	47	46	45	46	47	60	63	61	59	58	60	60	58	60	57	57
Total Gen		13645	13340	12966	12770	12454	12355	12023	12077	11848	11846	11707	11847	12115	12217	12105	12142	12754	14021	14651	15303	15661	16093	16351	16451
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		-28	-28	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
TIE-PLTC		18	-27	-1	-23	-10	-21	-25	-16	-42	13	-17	-10	30	16	22	-32	29	-40	12	-32	-76	-15	-34	-2
Interconnection		-10	-56	30	8	21	10	5	15	-12	43	14	21	60	46	52	-2	59	-9	43	0	-46	15	-3	29
System Total		13655	13396	12936	12762	12433	12345	12018	12062	11860	11803	11693	11826	12055	12171	12053	12144	12695	14030	14608	15303	15707	16078	16354	16422
SRev ST-Coal		196	181	270	301	378	483	688	674	727	679	725	711	715	545	527	486	398	228	269	217	216	193	184	208
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		740	692	986	1176	1380	1324	1315	1183	1501	1567	1881	1889	1401	1477	1841	2060	1389	616	537	380	290	482	374	278
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		17	-6	-10	-14	-15	-16	-16	-15	-17	-16	-15	-16	-17	-30	-33	-31	-29	-28	-30	-30	-28	-30	-27	-27
Syncon		1165	1249	1249	972	1123	1123	1123	1123	972	1123	1123	1123	1070	1221	1123	1123	821	821	972	821	821	821	821	821
Hydro		65	94	89	220	105	103	92	82	205	83	81	92	223	95	129	143	126	384	352	229	278	206	206	203
S.Reserve Total		2183	2210	2584	2655	2971	3017	3202	3047	3388	3436	3795	3799	3392	3308	3587	3781	3007	2021	1949	1768	1728	1672	1558	1483