

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,636 MW
Hydro	2,500 MW
Distillate	0 MW
Total TNB	5,136 MW
Total IPP	16,289 MW
Total Co-Gen	57 MW
Total System	22,046 MW

Generation Mix

Type	MWh	Percentage
Gas	34,012	9.91 %
Hydro	15,914	4.64 %
Total TNB	49,926	14.55 %
ST-Coal	193,238	56.32 %
Gas	99,218	28.92 %
Total IPP	292,456	85.24 %
Co-Gen	1,085	0.32 %
Total Co-Gen	1,085	0.32 %
Total Generation	343,467	100.10 %
PLTG	-372	-0.11 %
HVDC	727	0.21 %
Interconnection	355	0.10 %
Net Energy	343,112	100.00 %

Maximum Demand Record

Date: 10/23/2017	17,790 MW
Date: 4/20/2016	372,457 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	15:00:00 Hour
Total Set On Bus	17,381 MW
TNB Generation	3,099 MW
IPP Generation	13,124 MW
Spinning Reserve	1,115 MW
Maximum Demand	16,218 MW
Net Energy	343,112 MWH
Load Factor	88.15 %

Fuel Cost

Total Cost:	58,056,888.25 RM
Cost per Unit	17.72 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	307
Hydro	498
Syncon	481
Thermal	153
Total	1,439

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Rainy	29
Morning	Cloudy	24

Gas Usage

Station	(mmscfd)
GLGR	29
SRDG	4
TJGS	203
Total TNB	237
CBPS	51
KLPP	92
NPRI	155
PGLA	102
PLPS	86
SGB3	84
SKSP	2
YPKA	76
Total IPP	647
Total Gas	883
Total Gas Required	883

Alternate Fuel Usage

Station	(mmscfd)
Total	0

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	13774	13087	12553	12291	11982	11914	11980	12194	12704	14309	15115	15685	15627	15406	15909	16218	16218	15893	14892	14897	15513	15292	14824	14325

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																										
Total Co-Gen		48	46	48	45	46	49	47	46	44	46	47	47	49	49	48	47	48	47	48	46	47	44	45	45	43	43	42	40	45	40	43	42	42	42	44	45	42	45	44	45	45	44	47	45	46	44	44	48		
Total Gen		13772	13383	13105	12804	12643	12441	12323	12177	12036	11884	11904	11837	12000	12191	12217	12319	12703	13572	14218	14735	15037	15514	15702	15822	15675	15500	15434	15606	15889	16186	16266	16248	16254	16192	15903	15383	14929	14788	14924	15745	15524	15453	15323	15155	14885	14397	14371	14101		
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	0	0	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	29	29	30	30	31	31	30	30	29	29	31	31	31	31	30	30	30	30	30	30	30	31	31	31	31	31	31	31	31	30	30	30	30	31	31	31	31	31	31	31	30	30	30	30	
TIE-PLTG		-33	3	-12	28	60	-40	3	12	24	28	-40	-36	-10	-63	-6	-11	-32	-3	-122	-14	-108	-54	-13	-28	18	-30	-2	-9	-51	-20	17	11	6	-15	-21	-27	7	-49	-3	-34	-20	-19	0	-33	10	8	16	-38		
Interconnection		-2	34	18	58	90	-10	32	41	54	58	-10	-6	20	-33	23	18	-1	28	-91	17	-78	-24	17	2	48	0	28	21	-20	11	48	41	36	16	10	3	37	-19	27	-3	11	12	31	-3	41	38	46	-8		
System Total		13774	13349	13087	12846	12553	12451	12281	12136	11982	11926	11914	11843	11980	12224	12194	12301	12704	13544	14309	14718	15115	15538	15685	15820	15627	15500	15406	15645	15909	16175	16218	16207	16218	16176	15893	15380	14892	14807	14897	15748	15513	15441	15292	15158	14824	14359	14325	14109		
SRev ST-Coal		269	276	281	267	285	284	304	333	299	283	312	337	337	278	275	287	266	285	266	286	258	277	151	140	129	115	101	116	112	120	112	110	123	114	119	128	90	79	107	108	102	121	112	127	142	268	276	274		
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	0	0	0	0	0	-1	2	0	-2	-2	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		1034	1162	1007	1103	1303	1500	1593	1843	2013	2063	2117	2115	1990	1888	1863	1727	1364	813	403	474	278	261	282	198	283	196	265	236	165	284	205	205	180	223	329	310	665	892	743	289	432	514	439	319	381	610	716	734		
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	0	0	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		9	11	9	12	11	8	10	11	13	11	10	10	8	8	9	10	9	10	9	11	10	13	12	12	14	14	15	17	12	17	14	15	15	15	13	12	15	12	13	12	12	13	10	12	11	13	13	9		
Syncon		1351	1351	1351	1225	1099	1099	1099	948	948	1099	1099	1099	948	948	1099	1099	998	998	660	660	660	660	509	509	509	322	322	151	151	151	101	252	252	403	741	928	928	928	403	403	554	554	741	777	777	777	1014			
Hydro		146	140	139	137	138	139	139	268	270	138	140	137	138	267	268	138	132	181	91	314	338	408	338	464	475	484	603	553	581	634	631	729	669	697	729	334	251	249	253	531	655	543	460	340	375	342	388	259		
S.Reserve Total		2809	2940	2787	2744	2836	3030	3145	3403	3543	3594	3678	3698	3572	3380	3363	3261	2870	2287	1767	1745	1544	1619	1443	1323	1410	1325	1313	1251	1021	1205	1115	1160	1237	1299	1592	1529	1940	2160	2044	1343	1604	1745	1575	1539	1686	2010	2170	2290		