

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,802 MW
Hydro	2,504 MW
Distillate	0 MW
Total TNB	5,306 MW
Total IPP	16,875 MW
Total Co-Gen	60 MW
Total System	22,813 MW

Generation Mix

Type	MWh	Percentage
Gas	37,260	10.31 %
Hydro	11,248	3.11 %
Total TNB	48,508	13.43 %
ST-Coal	213,315	59.04 %
Gas	98,197	27.18 %
Total IPP	311,512	86.22 %
Co-Gen	1,365	0.38 %
Total Co-Gen	1,365	0.38 %
Total Generation	361,385	100.02 %
PLTG	-636	-0.18 %
HVDC	726	0.20 %
Interconnection	90	0.02 %
Net Energy	361,295	100.00 %

Maximum Demand Record

Date: 6/6/2018	18,010 MW
Date: 6/7/2018	382,778 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	15:00:00 Hour
Total Set On Bus	18,612 MW
TNB Generation	2,838 MW
IPP Generation	14,117 MW
Spinning Reserve	1,600 MW
Maximum Demand	17,022 MW
Net Energy	361,295 MWH
Load Factor	88.44 %

Fuel Cost

Total Cost:	60,892,450.47 RM
Cost per Unit	17.39 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	464
Hydro	309
Syncon	985
Thermal	91
Total	1,849

Time Weather Temperature

Afternoon	Hot	35
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	51
TJGS	213
Total TNB	264
CBPS	55
KLPP	93
NPRI	155
PGLA	108
PLPS	89
PTEK	3
SGRI	59
SKSP	50
YPKA	50
Total IPP	662
Total Gas	926
Total Gas Required	926

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	14466	13935	13553	13142	12846	12539	12567	12619	13131	14792	15741	16395	16455	16262	16764	17022	16959	16794	15742	15479	16341	16263	15690	15388

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																											
TIE-HVDC		30	30	30	30	31	31	31	31	30	30	30	30	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30						
TIE-PLTG		-30	-90	-83	-70	-23	-43	-29	-48	-44	-32	-50	-4	-49	-18	2	7	-32	-29	-20	-34	-48	-20	-34	-48	-20	-47	-22	12	22	8	31	-30	-6	-40	11	-38	-7	-19	1	24	-30	-25	-6	-33	-32	-13	-41	-31	-65	-59	-50
Interconnection		-1	-60	-53	-40	8	-13	2	-17	-14	-2	-21	26	-18	13	33	37	-2	1	10	-4	-18	11	-17	8	43	53	39	61	1	24	-10	41	-8	23	11	31	54	0	5	24	-2	-1	16	-12	-1	-34	-29	-19			
System Total		14466	14190	13935	13797	13553	13386	13142	13006	12846	12710	12539	12599	12567	12641	12619	12550	13131	14125	14792	15349	15741	16151	16395	16560	16455	16215	16262	16456	16764	16934	17022	16976	16959	16946	16794	16161	15742	15424	15479	16150	16341	16367	16263	16036	15690	15516	15388	15095			
SRev ST-Coal		113	102	191	109	239	41	137	180	165	166	239	73	233	229	216	226	199	97	-233	11	131	76	118	141	137	125	140	137	128	138	143	144	143	137	133	151	151	148	145	156	76	82	84	78	79	163	145	147			
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	0	3	3	3	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SRev CCGT-Gas		560	758	853	822	764	983	1115	1070	1115	1159	1401	1471	1544	1457	1452	1588	1272	885	1018	611	490	485	442	415	426	448	409	588	459	388	414	397	242	232	322	283	676	992	937	448	416	383	469	546	655	489	707	860			
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		0	-1	4	2	5	2	1	4	3	4	2	3	4	5	3	3	4	4	4	2	4	4	2	1	0	4	2	3	2	2	3	5	5	3	4	5	1	3	5	5	3	5	3	4	2	5	3	3			
Syncon		1198	1349	1349	1349	1349	1349	1349	1349	1198	1349	1349	1349	1349	1047	1349	1180	1180	1079	1079	1180	1264	1264	1012	1079	741	741	741	741	741	741	741	626	1012	1113	1349	1349	1349	1029	1029	1029	1029	1029	1113	1349	1349	1349					
Hydro		265	135	140	140	141	141	143	140	267	142	153	139	153	294	162	158	139	160	424	154	330	217	213	209	172	254	247	256	180	326	296	305	302	301	469	282	328	149	145	143	426	424	425	374	324	149	148	146			
S.Reserve Total		2136	2343	2537	2422	2498	2516	2745	2743	2748	2820	3144	3035	3283	3183	3182	3324	2963	2495	2260	2127	2135	1962	1854	1845	1915	2095	2062	1996	1848	1595	1600	1595	1436	1418	1557	1733	2269	2641	2581	2101	1950	1923	2010	2031	2173	2155	2352	2505			