

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,802 MW
Hydro	2,348 MW
Distillate	0 MW
Total TNB	5,150 MW
Total IPP	14,566 MW
Total Co-Gen	0 MW
Total System	20,288 MW

Generation Mix

Type	MWh	Percentage
Gas	38,617	11.49 %
Hydro	10,953	3.26 %
Total TNB	49,570	14.75 %
ST-Coal	190,411	56.65 %
Gas	93,197	27.73 %
Total IPP	283,608	84.38 %
Co-Gen	1,658	0.49 %
Total Co-Gen	1,658	0.49 %
Total Generation	334,836	99.62 %
PLTG	-577	-0.17 %
HVDC	-694	-0.21 %
Interconnection	-1,271	-0.38 %
Net Energy	336,107	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:	20:30:00 Hour
Total Set On Bus	16,727 MW
TNB Generation	2,575 MW
IPP Generation	12,879 MW
Spinning Reserve	1,204 MW
Maximum Demand	15,611 MW
Net Energy	336,107 MWH
Load Factor	89.71 %

Fuel Cost

Total Cost:	57,046,473.60 RM
Cost per Unit	17.61 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	361
Hydro	356
Syncon	586
Thermal	165
Total	1,468

Time Weather Temperature

Afternoon	Hot	34
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	48
TJGS	219
Total TNB	267
CBPS	55
KLPP	74
PGLA	109
PLPS	94
PTEK	6
SGB3	55
SGRI	100
SKSP	56
YPKA	79
Total IPP	629
Total Gas	896
Total Gas Required	896

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	14745	14127	13485	13121	12945	12860	12687	12216	11899	12917	13633	14154	14083	13995	14448	14667	14786	14685	14506	14540	15362	15565	15341	15122

Daily MW Generation on Saturday

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		-29	-28	-28	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-30	-28	-28	-28	-29	-29	-30	-30	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-28	-28	-29											
TIE-PLTG		8	-14	-31	-37	-59	-47	-23	-19	-129	-58	-18	-28	-57	-76	-59	-72	-79	-17	-69	3	-24	-10	-27	-15	-14	-30	-35	-8	-30	-22	19	-3	22	20	56	2	14	24	23	12	-50	-59	-44	4	-7	-27	-20	-47	
Interconnection		-21	-43	-60	-67	-89	-76	-51	-48	-158	-87	-47	-57	-86	-104	-87	-101	-108	-46	-98	-27	-53	-38	-55	-44	-43	-60	-65	-36	-59	-51	-10	-32	-7	-9	27	-27	-15	-6	-7	-17	-80	-88	-72	-25	-36	-55	-48	-76	
System Total		14745	14390	14127	13662	13485	13342	13121	12905	12945	12921	12860	12739	12687	12429	12216	11944	11899	12444	12917	13252	13633	13931	14154	14244	14083	14057	13995	14223	14448	14700	14667	14774	14786	14844	14685	14634	14506	14489	14540	14893	15362	15611	15565	15442	15341	15217	15122	14982	
SRev ST-Coal		188	-36	130	170	-50	24	50	91	144	202	199	191	100	98	72	53	59	50	60	263	274	276	52	268	68	73	73	278	260	249	216	196	210	217	222	218	212	207	195	201	191	108	69	82	35	209	188	42	
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	0	0	0	0	0	0	0	0	0	0	79	5	6	5	5	54	0	0	0
SRev CCGT-Gas		570	546	313	761	713	550	721	905	717	872	869	988	1049	1292	1600	1888	1937	1335	904	673	600	457	422	350	484	504	568	344	337	188	206	159	204	139	246	144	177	188	147	209	162	101	143	154	195	116	120	154	
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
SRev Co-Gen		-45	-45	-45	-42	-46	-46	-42	-44	-45	-45	-44	-45	-45	-43	-45	-43	-44	-43	-42	-42	-41	-38	-35	-32	-32	-32	-30	-31	-33	-35	-35	-36	-36	-34	-36	-41	-39	-40	-39	-41	-40	-41	-41	-40	-40	-39	-42		
Syncon		1326	1326	1225	1074	1074	1074	1074	1225	1124	1124	973	1124	1124	1124	750	750	599	599	549	700	700	700	700	549	297	398	297	297	297	923	923	923	923	448	599	448	448	448	448	554	581	554	576	730	448	469	559		
Hydro		140	138	136	268	267	267	262	264	91	32	58	230	90	125	102	89	235	89	88	102	117	91	244	238	382	249	252	250	211	341	545	486	542	544	553	437	381	381	385	703	545	581	554	576	730	448	469	559	
S.Reserve Total		2179	1929	1759	2231	1958	1869	2065	2290	2132	2185	2206	2337	2318	2594	2855	3109	3161	2554	2133	1746	1699	1533	1279	1420	1451	1494	1561	1542	1477	1294	1229	1204	1217	1161	1284	1686	1652	1660	1610	1601	1461	1204	1178	1224	1296	1181	1186	1348	