

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,472 MW
Distillate	0 MW
Total TNB	2,472 MW
Total IPP	15,888 MW
Total Co-Gen	0 MW
Total System	20,910 MW

Generation Mix

Type	MWh	Percentage
Hydro	31,425	9.18 %
Gas	37,286	10.89 %
Total TNB	68,711	20.08 %
ST-Coal	218,732	63.91 %
LSS	2,582	0.75 %
Gas	51,557	15.06 %
Total IPP	272,871	79.72 %
Co-Gen	191	0.06 %
Total Co-Gen	191	0.06 %
Total Generation	341,773	99.86 %
PLTG	202	0.06 %
HVDC	-698	-0.20 %
Interconnection	-496	-0.14 %
Net Energy	342,269	100.00 %

Maximum Demand Record

Date: 3/10/2020	18,808 MW
Date: 3/10/2020	394,238 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	15:30:00 Hour
Total Set On Bus	16,685 MW
TNB Generation	3,602 MW
IPP Generation	12,116 MW
Spinning Reserve	960 MW
Maximum Demand	15,791 MW
Net Energy	342,269 MWH
Load Factor	90.31 %

Fuel Cost

Total Cost:	44,680,253.32 RM
Cost per Unit	13.06 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	253
Hydro	512
Syncon	250
Thermal	173
Total	1,188

Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	36
SRDG	4
TJGS	220
Total TNB	261
CBPS	54
NPRI	154
PGLA	10
SKSP	50
Total IPP	269
Total Gas	530
Total Gas Required	530

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	14191	13563	13143	12754	12440	12299	12333	12475	12787	14300	14821	15214	15166	15042	15383	15676	15675	15343	14708	14612	15397	15132	14835	14580

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																												
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														
TIE-HVDC		-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29													
TIE-PLTG		-19	23	7	0	10	22	15	49	54	37	31	-5	40	30	4	-8	-16	-73	-67	-52	-24	-106	-37	-24	106	36	48	-5	2	-39	-26	-25	-3	11	-33	-15	34	56	27	24	83	42	22	-5	57	10	45	61				
Interconnection		-48	-6	-22	-29	-19	-8	-14	20	25	7	2	-34	12	1	-26	-38	-45	-102	-95	-81	-53	-135	-66	-53	77	7	19	-35	-27	-68	-55	-54	-32	-18	-63	-45	6	28	-3	-6	54	14	-8	-35	28	-19	16	32				
System Total		14191	13832	13563	13376	13143	12974	12754	12522	12440	12402	12299	12285	12333	12544	12475	12663	12787	13615	14300	14649	14821	15134	15214	15335	15166	15076	15042	15181	15383	15568	15676	15791	15675	15684	15343	14984	14708	14739	14612	15422	15397	15241	15132	14977	14835	14814	14580	14324				
SRev ST-Coal		308	391	434	600	691	715	757	761	755	763	852	837	800	753	785	752	768	397	272	156	162	167	164	160	194	161	176	166	164	152	162	156	162	183	186	174	197	171	99	183	182	182	166	155	167	161	166	242				
SRev CCGT-Gas		510	610	621	566	572	598	594	593	600	603	572	591	565	609	605	652	608	680	513	504	559	436	129	109	197	200	120	68	172	173	188	201	148	102	177	263	283	311	513	130	274	259	200	212	241	184	360	416				
SRev LSS		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 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	0	0
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	2	0	0	-1	-1	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SRev Co-Gen		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	0	
Syncon		374	525	651	651	651	651	651	651	651	651	672	672	651	672	802	802	615	464	489	302	302	302	302	302	428	615	615	302	302	0	0	126	126	126	313	500	500	313	0	0	0	313	500	500	500	500	651	239	239			
Hydro		170	144	101	32	16	7	34	31	7	8	24	52	9	52	93	108	34	155	244	146	417	316	551	569	524	524	466	439	555	527	689	607	624	577	813	656	596	564	611	556	471	659	559	429	463	544	297	239				
S.Reserve Total		1362	1670	1807	1849	1930	1971	2036	2036	2013	2025	2099	2152	2046	2065	2155	2314	2212	1847	1493	1295	1440	1221	1146	1140	1217	1313	1377	1288	1193	1156	1039	964	1059	987	1330	1406	1576	1546	1536	869	927	1100	1238	1296	1371	1389	1323	1548				