

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,495 MW
Distillate	0 MW
Total TNB	2,495 MW
Total IPP	16,498 MW
Total Co-Gen	0 MW
Total System	21,669 MW

Generation Mix

Type	MWh	Percentage
Hydro	35,041	10.35 %
Gas	33,910	10.01 %
Total TNB	68,951	20.36 %
ST-Coal	206,384	60.94 %
LSS	2,755	0.81 %
Gas	60,954	18.00 %
Total IPP	270,093	79.75 %
Co-Gen	158	0.05 %
Total Co-Gen	158	0.05 %
Total Generation	339,202	100.15 %
PLTG	-197	-0.06 %
HVDC	720	0.21 %
Interconnection	523	0.15 %
Net Energy	338,679	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:	16:00:00 Hour
Total Set On Bus	16,674 MW
TNB Generation	3,307 MW
IPP Generation	12,197 MW
Spinning Reserve	1,163 MW
Maximum Demand	15,563 MW
Net Energy	338,679 MWH
Load Factor	90.67 %

Fuel Cost

Total Cost:	49,209,661.71 RM
Cost per Unit	14.49 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	343
Hydro	437
Syncon	303
Thermal	263
Total	1,346

Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	28
TJGS	209
Total TNB	237
CBPS	55
KLPP	1
NPRI	156
PGLA	81
PLPS	1
Total IPP	293
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	13966	13296	12906	12520	12111	12011	12198	12306	12769	14278	14917	15291	15195	14916	15307	15529	15563	15285	14389	14575	15359	15052	14560	14214

Daily MW Generation on Wednesday

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																												
PCUF	CUFG	4	3	2	3	3	4	2	3	4	2	2	2	3	3	4	3	3	3	4	4	4	4	3	3	3	3	4	4	4	4	4	1	4	4	4	4	4	3	4	4	5	4	3	4								
PCUF	CUFK	5	3	1	2	4	3	3	3	3	4	0	2	4	2	2	3	3	4	5	3	4	3	1	3	5	4	3	3	3	5	4	5	1	4	4	4	4	4	4	3	3	5	3	4	3	3						
Total Co-Gen		9	6	3	5	7	7	5	6	7	6	2	4	7	5	6	7	5	7	5	6	6	8	9	6	8	7	4	7	9	7	6	6	7	9	8	9	2	8	8	8	8	8	6	7	9	8	8	6	7			
Total Gen		13980	13552	13347	13028	12940	12691	12567	12300	12155	12120	12094	12057	12208	12326	12323	12574	12799	13749	14344	14687	14945	15144	15287	15367	15195	15066	14959	15136	15237	15510	15547	15495	15511	15484	15250	14794	14453	14401	14622	15406	15372	15212	15027	14764	14515	14473	14230	14097				
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			
TIE-HVDC		30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	29	29	29	31	31	30	30	31	31	30	30	30	30	30	30	30	29	29	31	31	31	29	31	29	29	29	29	29	30	30	30	30				
TIE-PLTG		-3	-95	33	-8	16	-3	29	-24	26	-20	64	46	-8	31	-1	-31	13	29	48	-2	11	-47	-24	-23	-19	0	25	16	-88	-22	0	-8	-71	-46	-52	-20	45	15	28	-5	-6	13	-42	-95	-62	-53	-2	-1				
Interconnection		26	-65	63	22	46	28	59	6	56	10	95	76	22	61	29	-1	42	58	78	27	40	-17	7	7	11	30	55	46	-58	8	30	23	-40	-16	-23	8	76	47	59	24	25	42	-13	-65	-33	-23	28	29				
System Total		13966	13629	13296	13018	12906	12675	12520	12306	12111	12122	12011	11993	12198	12277	12306	12587	12769	13703	14278	14672	14917	15173	15291	15371	15195	15048	14916	15102	15307	15514	15529	15484	15563	15512	15285	14798	14389	14366	14575	15394	15359	15182	15052	14841	14560	14508	14214	14080				
SRev ST-Coal		485	560	635	763	817	971	877	980	1112	1111	1117	1115	1103	1108	1110	1020	997	491	401	407	281	164	169	209	346	342	355	242	262	219	214	210	215	197	210	342	350	334	341	213	209	222	216	376	487	464	567	560				
SRev CCGT-Gas		508	667	409	553	369	415	515	555	524	428	460	483	403	334	337	454	420	520	282	438	392	484	364	348	386	342	340	405	307	324	368	352	290	298	271	298	331	349	332	247	329	308	350	305	339	365	533	427				
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	
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	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		489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489		
Hydro		127	86	98	71	69	66	136	82	84	85	86	92	17	76	213	135	97	28	155	378	387	435	445	421	469	646	531	717	528	562	578	490	475	399	455	367	473	477	509	352	454	446	545	421	194	196	108	104				
S.Reserve Total		1609	1802	1631	1876	1744	1941	2017	2106	2209	2113	2152	2179	2034	2007	1998	2134	2003	1715	1363	1561	1398	1421	1316	1316	1388	1517	1600	1551	1471	1292	1347	1239	1167	1081	1123	1496	1643	1649	1520	999	1330	1314	1474	1465	1570	1388	1535	1418				