

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,522 MW
Distillate	0 MW
Total TNB	2,522 MW
Total IPP	14,988 MW
Total Co-Gen	0 MW
Total System	20,333 MW

Generation Mix

Type	MWh	Percentage
Hydro	19,198	6.29 %
Gas	34,679	11.36 %
Total TNB	53,877	17.65 %
ST-Coal	184,305	60.36 %
LSS	1,293	0.42 %
Gas	65,176	21.35 %
Total IPP	250,774	82.13 %
Co-Gen	166	0.05 %
Total Co-Gen	166	0.05 %
Total Generation	304,817	99.83 %
PLTG	-1,227	-0.40 %
HVDC	722	0.24 %
Interconnection	-505	-0.17 %
Net Energy	305,322	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:	20:00:00 Hour
Total Set On Bus	15,524 MW
TNB Generation	2,967 MW
IPP Generation	11,318 MW
Spinning Reserve	1,231 MW
Maximum Demand	14,334 MW
Net Energy	305,322 MWH
Load Factor	88.75 %

Fuel Cost

Total Cost:	41,366,893.78 RM
Cost per Unit	13.54 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	339
Hydro	559
Syncon	620
Thermal	302
Total	1,820

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	47
TJGS	199
Total TNB	246
CBPS	50
NPRI	152
PGLA	54
PLPS	56
SKSP	1
YPKA	33
Total IPP	347
Total Gas	593
Total Gas Required	593

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	12784	12381	11903	11559	11293	11225	11260	11366	11413	12339	13039	13522	13351	12990	13207	13210	13226	13093	13148	13705	14334	14050	13568	13082

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																											
Total Co-Gen		7	9	7	7	6	4	5	10	7	7	9	9	5	8	5	6	8	5	5	7	4	7	7	8	7	8	9	6	6	6	5	8	8	6	6	8	9	9	9	8	8	8	8	8	4	6	6	7	7		
Total Gen		12766	12547	12342	12043	11868	11649	11527	11450	11274	11315	11195	11158	11207	11347	11366	11271	11362	11981	12327	12866	13067	13291	13478	13527	13363	13182	12906	13081	13142	13238	13170	13245	13165	13261	13102	13082	13097	13319	13670	14163	14293	14073	14000	13775	13537	13345	13063	12895			
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		30	30	30	30	29	29	30	30	31	31	30	30	29	29	30	30	30	30	31	31	30	30	30	30	29	29	29	29	30	30	30	30	30	30	31	31	31	31	31	30	30	31	31	30	30	31	31	30	30		
TIE-PLTG		-36	-50	-57	-29	-52	-82	-50	-67	-38	-29	-48	-64	-71	-35	-18	-30	-69	11	-32	23	9	-66	-63	-22	-5	-76	-102	-52	-83	-52	-58	-93	-78	-142	-10	-81	-69	-61	-54	-54	-60	-82	-68	-43	-50	-38	-38	-41			
Interconnection		-6	-20	-27	1	-23	-53	-20	-37	-7	2	-18	-34	-41	-5	12	-1	-39	42	-1	54	39	-36	-32	8	24	-47	-72	-22	-53	-23	-28	-63	-49	-112	21	-51	-39	-31	-23	-24	-29	-51	-38	-13	-19	-7	-8	-10			
System Total		12784	12579	12381	12054	11903	11714	11559	11499	11293	11325	11225	11204	11260	11364	11366	11284	11413	11951	12339	12823	13039	13338	13522	13531	13351	13241	12990	13115	13207	13273	13210	13320	13226	13385	13093	13145	13148	13362	13705	14199	14334	14136	14050	13800	13568	13364	13082	12916			
SRev ST-Coal		445	414	403	400	416	383	388	388	385	388	380	383	387	346	400	404	404	414	402	399	405	404	397	410	350	347	341	333	344	342	323	327	332	364	360	332	352	283	201	114	122	121	115	124	119	107	122	113			
SRev CCGT-Gas		333	282	536	552	716	774	857	945	1117	1065	1226	1231	1271	1074	1076	1143	1169	1046	804	398	251	272	247	166	372	304	379	311	274	278	409	483	500	452	434	402	326	489	167	211	123	250	319	265	384	563	511	539			
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
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	953	1054	1242	1242	1329	1329	1329	1329	1329	1329	1178	1329	1329	1329	1329	777	928	928	741	741	554	554	439	626	853	940	940	753	627	440	440	440	375	713	839	752	752	187	187	187	187	501	839	652	654	841				
Hydro		415	230	183	197	190	104	139	135	141	147	118	147	200	149	150	188	80	278	153	219	359	291	426	455	640	622	632	447	418	502	534	636	752	626	857	542	555	615	659	853	803	897	906	858	646	785	766	657			
S.Reserve Total		1682	1879	2176	2391	2564	2590	2713	2797	2972	2929	3053	3090	3036	2898	2955	3064	2982	2515	2287	1944	1756	1708	1624	1585	1801	1899	2205	2031	1976	1875	1893	1886	2024	1882	2026	1989	2072	2139	1779	1365	1235	1455	1527	1748	1988	2107	2053	2150			