

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,247 MW
Distillate	0 MW
Total TNB	2,247 MW
Total IPP	18,050 MW
Total Co-Gen	0 MW
Total System	23,500 MW

Maximum Demand Record

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

Gas Usage

Station	(mmscfd)
GLGR	30
TJGS	165
Total TNB	195
CBPS	55
NPRI	155
PGLA	114
PLPS	49
Total IPP	374
Total Gas	569
Total Gas Required	569

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	17,887 MW
TNB Generation	3,290 MW
IPP Generation	13,314 MW
Spinning Reserve	1,259 MW
Maximum Demand	16,710 MW
Net Energy	353,524 MWH
Load Factor	88.15 %

Generation Mix

Type	MWh	Percentage
Hydro	18,877	5.34 %
Gas	45,094	12.76 %
Total TNB	63,971	18.10 %
ST-Coal	214,047	60.55 %
LSS	3,032	0.86 %
Gas	69,989	19.80 %
Total IPP	287,068	81.20 %
Co-Gen	982	0.28 %
Total Co-Gen	982	0.28 %
Total Generation	352,021	99.57 %
PLTG	-801	-0.23 %
HVDC	-702	-0.20 %
Interconnection	-1,503	-0.43 %
Net Energy	353,524	100.00 %

Fuel Cost

Total Cost:	69,740,368.32 RM
Cost per Unit	19.80 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	183
Hydro	410
Syncon	442
Thermal	413
Total	1,448

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	31
Morning	Sunny	24

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	14381	13735	13347	12909	12583	12414	12587	12637	12983	14532	15372	15947	15985	15704	16029	16581	16710	16192	15316	15504	16116	15744	15080	14850

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	0	0	0	0									
TIE-HVDC		-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-30	-30	-29	-29	-29	-28	-28	-30	-30	-28	-28	-31	-31	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29							
TIE-PLTG		-39	-36	-38	-29	-39	-6	-31	-6	-19	-35	-27	-14	-48	-24	-12	-55	-28	-54	-93	-51	-78	1	-52	-68	-7	-41	-14	-24	30	-71	6	-12	-46	-4	-16	-52	14	13	62	-102	-50	-40	-57	-82	-54	-66	-68	-41			
Interconnection		-67	-64	-67	-58	-69	-36	-60	-35	-48	-65	-56	-43	-77	-53	-41	-84	-58	-83	-122	-80	-107	-27	-82	-98	-36	-70	-44	-54	1	-100	-25	-42	-75	-33	-46	-80	-14	-17	32	-131	-79	-71	-88	-110	-82	-95	-97	-71			
System Total		14381	14114	13735	13461	13347	13153	12909	12697	12583	12502	12414	12439	12587	12656	12637	12557	12983	13890	14532	14965	15372	15662	15947	16100	15985	15869	15704	15862	16029	16466	16581	16683	16710	16689	16192	15779	15316	15144	15504	16286	16116	15952	15744	15429	15080	15030	14850	14622			
SRev ST-Coal		710	907	909	911	903	904	980	1047	1050	1050	1050	1038	1035	992	968	898	904	869	770	643	323	332	389	377	432	319	329	295	326	295	283	274	319	331	333	506	609	521	271	271	306	421	461	572	548	633	794				
SRev CCGT-Gas		267	179	249	240	222	193	289	158	200	236	214	185	176	172	191	299	183	177	129	222	149	250	144	146	161	186	273	162	275	142	144	144	133	126	153	186	233	231	179	126	163	185	245	293	273	266	174	159			
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		825	825	825	738	738	738	587	551	738	738	738	738	738	738	587	738	738	738	651	651	651	651	464	464	651	738	651	464	464	151	151	151	151	313	464	702	702	464	464	277	464	464	464	615	464	464	551				
Hydro		223	190	173	181	175	109	284	204	126	143	131	106	102	118	143	359	82	189	145	209	153	211	247	276	327	267	264	274	420	308	664	690	702	604	557	338	252	213	436	320	588	506	425	451	311	191	142	112			
S.Reserve Total		2025	2101	2156	2070	2038	1944	2140	1960	2114	2167	2133	2079	2054	2063	2064	2213	1901	2008	1881	1852	1596	1435	1374	1275	1329	1536	1594	1416	1454	1240	1254	1268	1260	1200	1354	1321	1693	1755	1600	1181	1299	1461	1555	1669	1771	1469	1413	1616			