

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,521 MW
Distillate	0 MW
<b>Total TNB</b>	<b>2,521 MW</b>
<b>Total IPP</b>	<b>16,264 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>21,461 MW</b>

### Generation Mix

Type	MWh	Percentage
Hydro	37,648	11.56 %
Gas	27,632	8.49 %
<b>Total TNB</b>	<b>65,280</b>	<b>20.05 %</b>
ST-Coal	200,966	61.72 %
LSS	2,264	0.70 %
Gas	57,097	17.54 %
<b>Total IPP</b>	<b>260,327</b>	<b>79.96 %</b>
Co-Gen	158	0.05 %
<b>Total Co-Gen</b>	<b>158</b>	<b>0.05 %</b>
<b>Total Generation</b>	<b>325,765</b>	<b>100.05 %</b>
PLTG	876	0.27 %
HVDC	-698	-0.21 %
<b>Interconnection</b>	<b>178</b>	<b>0.05 %</b>
<b>Net Energy</b>	<b>325,587</b>	<b>100.00 %</b>

### 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	16,326 MW
TNB Generation	3,215 MW
IPP Generation	11,923 MW
Spinning Reserve	1,181 MW
Maximum Demand	15,128 MW
Net Energy	325,587 MWH
Load Factor	89.68 %

### Fuel Cost

Total Cost:	48,664,751.17 RM
Cost per Unit	14.92 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	737
Hydro	279
Syncon	284
Thermal	447
<b>Total</b>	<b>1,747</b>

### Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	26

### Gas Usage

Station	(mmscfd)
GLGR	28
TJGS	172
<b>Total TNB</b>	<b>200</b>
CBPS	50
NPRI	151
PGLA	51
YPKA	25
<b>Total IPP</b>	<b>277</b>
<b>Total Gas</b>	<b>477</b>
<b>Total Gas Required</b>	<b>477</b>

### Alternate Fuel Usage

Station	(mmscfd)
<b>Total</b>	<b>0</b>

### 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	13814	13332	12795	12420	12174	12026	12046	12018	11982	13128	13933	14397	14250	13928	14107	14237	14252	14139	13911	14280	15128	14955	14391	13966





### 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																											
PCUF	CUFG	3	4	3	4	3	4	4	4	2	3	4	4	4	3	3	4	4	3	2	4	4	3	3	3	3	2	2	4	3	4	4	2	4	3	3	4	3	5	3	4	4	2	4	4	3	3	3	3			
PCUF	CUFK	3	6	3	4	3	5	4	3	4	4	4	3	3	3	3	3	1	3	3	2	2	3	1	3	3	3	5	4	3	4	4	4	4	3	3	3	3	2	3	3	3	3	4	1							
Total Co-Gen		6	10	6	8	6	9	8	7	6	7	8	8	7	6	6	8	9	7	5	7	7	6	6	4	6	6	4	4	7	4	7	7	5	9	7	6	8	7	9	6	7	7	4	7	7	6	7	4			
Total Gen		13830	13559	13323	13004	12769	12627	12444	12413	12205	12094	12029	12027	12028	12127	12044	11962	11945	12681	13073	13552	13936	14136	14379	14445	14269	13996	13942	13982	14097	14361	14223	14208	14246	14312	14164	13915	13936	13910	14339	14977	15145	14907	14944	14701	14402	14211	13928	13718			
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			
TIE-HVDC		-29	-29	-29	-29	-29	-30	-30	-29	-29	-28	-28	-30	-30	-29	-29	-28	-28	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-28	-29	-29	-29	-30	-30	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29			
TIE-PLTG		57	-19	32	-10	15	83	66	14	72	28	43	0	24	37	66	57	3	8	-14	22	44	64	24	86	61	50	54	27	32	71	27	-14	34	21	66	56	67	61	99	-2	59	27	30	-5	52	42	2	35			
Interconnection		28	-48	3	-39	-14	53	36	-15	43	-1	14	-30	-6	8	38	29	-25	-20	-43	-7	15	34	-6	56	31	21	26	-2	2	41	-2	-43	6	-9	37	28	37	32	71	-32	29	-2	1	-34	23	13	-26	6			
System Total		13814	13619	13332	13055	12795	12586	12420	12440	12174	12106	12026	12069	12046	12131	12018	11945	11982	12713	13128	13571	13933	14114	14397	14401	14250	13987	13928	13996	14107	14332	14237	14263	14252	14333	14139	13899	13911	13890	14280	15021	15128	14921	14955	14747	14391	14210	13966	13724			
SRev ST-Coal		524	592	843	909	858	875	884	885	987	989	985	1000	1033	1019	1020	1039	1028	903	910	812	602	437	401	367	357	456	505	516	422	422	427	413	398	380	373	527	622	529	437	328	281	290	350	273	301	347	519	586			
SRev CCGT-Gas		860	891	932	1005	965	777	890	758	685	797	879	862	781	882	918	890	825	816	629	746	643	786	725	731	855	937	947	845	854	637	768	741	684	594	746	701	586	769	760	340	318	625	527	842	901	869	894	679			
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	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		137	125	127	134	136	132	132	126	127	127	265	124	126	129	142	130	124	210	224	189	164	232	221	216	217	305	311	287	331	328	341	327	325	308	308	268	267	275	361	338	399	284	282	290	307	310	287	222			
S.Reserve Total		2010	2097	2391	2537	2448	2273	2395	2258	2288	2402	2467	2475	2450	2519	2569	2548	2466	2418	2101	2085	1747	1793	1685	1652	1767	2036	1950	1835	1794	1574	1723	1668	1594	1469	1614	1683	1662	1760	1745	1193	1185	1573	1533	1779	1883	1900	2074	1861			