

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,345 MW
Distillate	0 MW
<b>Total TNB</b>	<b>2,345 MW</b>
<b>Total IPP</b>	<b>15,719 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>20,912 MW</b>

### Generation Mix

Type	MWh	Percentage
Hydro	16,186	5.02 %
Gas	37,003	11.48 %
<b>Total TNB</b>	<b>53,189</b>	<b>16.51 %</b>
ST-Coal	178,106	55.27 %
LSS	2,630	0.82 %
Gas	88,458	27.45 %
<b>Total IPP</b>	<b>269,194</b>	<b>83.53 %</b>
Co-Gen	164	0.05 %
<b>Total Co-Gen</b>	<b>164</b>	<b>0.05 %</b>
<b>Total Generation</b>	<b>322,547</b>	<b>100.09 %</b>
PLTG	-429	-0.13 %
HVDC	720	0.22 %
<b>Interconnection</b>	<b>291</b>	<b>0.09 %</b>
<b>Net Energy</b>	<b>322,256</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:	14:30:00 Hour
Total Set On Bus	16,323 MW
TNB Generation	2,390 MW
IPP Generation	12,582 MW
Spinning Reserve	1,344 MW
Maximum Demand	15,006 MW
Net Energy	322,256 MWH
Load Factor	89.48 %

### Fuel Cost

Total Cost:	50,036,408.80 RM
Cost per Unit	15.51 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	232
Hydro	407
Syncon	493
Thermal	406
<b>Total</b>	<b>1,538</b>

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	26

### Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	110
<b>Total TNB</b>	<b>139</b>
CBPS	15
NPRI	164
PGLA	91
PLPS	52
SKSP	21
<b>Total IPP</b>	<b>344</b>
<b>Total Gas</b>	<b>483</b>
<b>Total Gas Required</b>	<b>483</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	13044	12493	12015	11661	11435	11292	11294	11465	12016	13495	14204	14565	14570	14597	14882	14940	14914	14603	13827	13852	14584	14341	13974	13798

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, September 2, 2021 9:02:07 AM

(Ir. Shanmugam Thoppalan)  
Head  
Grid System Operator





### Daily MW Generation on Monday

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																										
Interconnection		22	19	-15	-24	56	-2	19	7	5	-9	-35	0	17	66	28	-26	-37	7	38	-6	-2	5	26	6	94	-7	65	11	-28	-24	26	-23	37	93	59	34	33	21	-5	-20	74	-11	-16	9	21	-4	7	-30		
System Total		13044	12675	12493	12238	12015	11824	11661	11485	11435	11316	11292	11307	11294	11437	11465	11616	12016	12911	13495	13969	14204	14380	14565	14682	14570	14549	14597	14833	14882	15006	14940	14977	14914	14937	14603	14179	13827	13711	13852	14515	14584	14463	14341	14130	13974	13953	13798	13546		
SRev ST-Coal		734	834	770	791	763	832	831	840	882	881	882	881	882	840	832	792	660	597	589	530	494	409	420	430	581	436	417	431	248	215	211	216	160	173	461	469	524	528	353	339	495	562	559	639	694	643	652			
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	
SRev CCGT-Gas		124	113	99	112	144	113	126	181	206	186	200	188	192	132	158	100	97	246	230	102	120	164	151	179	204	182	209	206	178	259	286	195	271	244	279	257	301	386	365	365	349	292	369	269	277	387	137	235		
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	
SRev LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	12	1	0	0	0	0	0	0	0	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	
Syncon		639	488	639	639	639	826	826	826	826	826	826	826	826	826	826	826	464	313	464	464	464	500	651	651	464	464	464	464	464	464	464	464	126	277	551	738	738	738	738	738	551	738	488	639	639	639	364	639		
Hydro		97	177	44	49	125	53	113	128	92	57	94	56	57	142	149	83	58	535	670	509	487	427	621	343	373	408	366	374	313	374	360	247	559	481	524	327	349	334	299	325	352	200	371	268	257	293	276	178		
S.Reserve Total		1597	1615	1555	1594	1674	1827	1899	1978	2009	1953	1855	1954	1960	1985	1976	1844	1787	1917	1811	1664	1601	1549	1681	1593	1658	1635	1475	1461	1386	1345	1325	1117	1172	1162	1527	1783	1857	1982	1930	1781	1591	1725	1790	1735	1812	2013	1420	1704		