

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,173 MW
Distillate	0 MW
<b>Total TNB</b>	<b>2,173 MW</b>
<b>Total IPP</b>	<b>16,709 MW</b>
Total Co-Gen	0 MW
<b>Total System</b>	<b>21,956 MW</b>

### Generation Mix

Type	MWh	Percentage
Hydro	20,325	5.97 %
Gas	35,963	10.56 %
<b>Total TNB</b>	<b>56,288</b>	<b>16.53 %</b>
ST-Coal	201,567	59.19 %
LSS	3,230	0.95 %
Gas	77,777	22.84 %
<b>Total IPP</b>	<b>282,574</b>	<b>82.98 %</b>
Co-Gen	995	0.29 %
<b>Total Co-Gen</b>	<b>995</b>	<b>0.29 %</b>
<b>Total Generation</b>	<b>339,857</b>	<b>99.80 %</b>
PLTG	9	0.00 %
HVDC	-696	-0.20 %
<b>Interconnection</b>	<b>-687</b>	<b>-0.20 %</b>
<b>Net Energy</b>	<b>340,544</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:	16:30:00 Hour
Total Set On Bus	16,757 MW
TNB Generation	2,866 MW
IPP Generation	12,685 MW
Spinning Reserve	1,165 MW
Maximum Demand	15,605 MW
Net Energy	340,544 MWH
Load Factor	90.93 %

### Fuel Cost

Total Cost:	51,988,122.54 RM
Cost per Unit	15.29 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	158
Hydro	422
Syncon	315
Thermal	433
<b>Total</b>	<b>1,328</b>

### Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	25

### Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	105
<b>Total TNB</b>	<b>134</b>
CBPS	22
NPRI	159
PGLA	110
PLPS	12
<b>Total IPP</b>	<b>304</b>
<b>Total Gas</b>	<b>437</b>
<b>Total Gas Required</b>	<b>437</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	14207	13614	13115	12656	12438	12243	12248	12305	12551	13841	14506	15043	15048	14807	15115	15498	15595	15359	14569	14424	15595	15331	15099	15028

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, September 2, 2021 9:09:56 AM

(Ir. Shanmugam Thoppalan)  
Head  
Grid System Operator





### 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-PLTG		-48	-31	-82	-67	0	-40	-1	-27	-36	-37	15	41	9	14	-9	-11	-56	-39	-66	-8	18	-44	-4	-20	-15	-6	28	66	46	-19	8	54	6	20	93	56	31	53	94	17	62	70	-33	-13	-4	-42	-15	-6	
Interconnection		-77	-60	-110	-95	-30	-70	-29	-55	-65	-66	-15	11	-21	-16	-37	-39	-86	-69	-96	-37	-11	-73	-34	-49	-45	-35	-2	37	17	-47	-22	24	-22	-9	64	27	2	23	65	-12	33	42	-62	-43	-32	-71	-43	-34	
System Total		14207	13914	13614	13317	13115	12938	12656	12524	12438	12280	12243	12120	12248	12354	12305	12260	12551	13376	13841	14206	14506	14844	15043	15168	15048	14903	14807	14849	15115	15339	15498	15594	15595	15605	15359	14957	14569	14381	14424	15389	15595	15384	15331	15320	15099	15136	15028	14756	
SRev ST-Coal		797	693	774	767	778	772	824	869	861	909	922	1003	1010	963	964	963	948	904	837	740	602	607	462	416	494	490	456	392	424	385	332	309	317	319	324	400	522	551	495	350	316	336	305	396	324	337	409	372	
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		192	300	244	302	338	183	225	206	163	183	201	254	178	153	177	266	181	127	121	220	145	98	111	113	119	130	183	209	314	152	158	154	139	119	194	171	181	175	217	123	127	191	185	148	200	239	251	250	
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	0	0	0	0	0	0	0	0	0	0	0	0	1	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		651	313	651	651	651	651	651	651	651	651	651	651	651	651	500	651	651	651	651	651	464	651	464	313	464	651	651	277	277	277	151	0	0	0	338	525	525	525	151	151	151	338	187	338	151	151	0		
Hydro		67	249	41	33	58	74	75	53	53	75	140	149	108	111	148	286	72	69	51	98	62	149	185	276	308	191	193	201	413	395	618	672	776	727	821	294	137	134	132	439	521	619	529	425	382	373	389	699	
S.Reserve Total		1707	1555	1710	1753	1825	1680	1775	1779	1728	1818	1914	2057	1947	1878	1940	2015	1852	1751	1660	1709	1460	1318	1409	1269	1234	1275	1483	1453	1429	1209	1385	1286	1232	1165	1339	1203	1365	1385	1369	1063	1115	1297	1357	1156	1244	1100	1200	1321	