

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,316 MW
Distillate	0 MW
<b>Total TNB</b>	<b>2,316 MW</b>
<b>Total IPP</b>	<b>17,394 MW</b>
Total Co-Gen	0 MW
<b>Total System</b>	<b>23,690 MW</b>

### Generation Mix

Type	MWh	Percentage
Hydro	20,410	5.95 %
Gas	56,457	16.46 %
<b>Total TNB</b>	<b>76,867</b>	<b>22.41 %</b>
ST-Coal	205,014	59.77 %
LSS	3,543	1.03 %
Gas	57,865	16.87 %
<b>Total IPP</b>	<b>266,422</b>	<b>77.67 %</b>
Co-Gen	165	0.05 %
<b>Total Co-Gen</b>	<b>165</b>	<b>0.05 %</b>
<b>Total Generation</b>	<b>343,454</b>	<b>100.13 %</b>
PLTG	-284	-0.08 %
HVDC	726	0.21 %
<b>Interconnection</b>	<b>442</b>	<b>0.13 %</b>
<b>Net Energy</b>	<b>343,012</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:	16:00:00 Hour
Total Set On Bus	17,193 MW
TNB Generation	3,887 MW
IPP Generation	11,846 MW
Spinning Reserve	1,453 MW
Maximum Demand	15,711 MW
Net Energy	343,012 MWH
Load Factor	90.97 %

### Fuel Cost

Total Cost:	52,465,553.89 RM
Cost per Unit	15.27 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	746
Hydro	280
Syncon	395
Thermal	271
<b>Total</b>	<b>1,692</b>

### Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	26

### Gas Usage

Station	(mmscfd)
GLGR	31
TJGS	125
<b>Total TNB</b>	<b>156</b>
CBPS	45
NPRI	160
SKSP	1
<b>Total IPP</b>	<b>206</b>
<b>Total Gas</b>	<b>362</b>
<b>Total Gas Required</b>	<b>362</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	14752	14036	13488	12986	12661	12378	12375	12302	12436	13699	14258	14667	14871	14897	15325	15512	15711	15416	14529	14375	15674	15679	15445	15448

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, September 2, 2021 8:55:14 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		41	-43	1	-32	-9	31	-15	-35	0	22	6	-1	-5	-18	-4	-47	-48	-45	-24	-25	-25	-43	-46	9	-5	-6	10	-4	-63	-38	-23	17	0	26	28	-28	-7	-29	17	-42	-22	-28	-19	-14	-7	-16	-3	41		
Interconnection		71	-13	32	-1	23	60	16	-5	31	52	36	28	25	13	24	-17	-17	-14	6	6	4	-14	-15	38	24	25	39	27	-33	-8	6	48	29	57	59	2	24	0	49	-10	9	3	12	17	24	14	27	71		
System Total		14752	14336	14036	13778	13488	13250	12986	12825	12661	12465	12378	12266	12375	12372	12302	12148	12436	13143	13699	13982	14258	14518	14667	14785	14871	14893	14897	15117	15325	15438	15512	15636	15711	15692	15416	14946	14529	14337	14375	15101	15674	15687	15679	15544	15445	15534	15448	15231		
SRev ST-Coal		409	592	692	705	745	742	753	747	797	819	811	804	801	801	799	798	803	748	629	536	429	426	422	418	388	413	436	341	259	228	246	122	135	138	115	126	128	129	119	132	139	121	139	132	145	140	142	175		
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
SRev CCGT-Gas		1231	1334	974	1061	756	816	889	896	848	900	913	1007	928	930	976	1142	963	1103	980	956	893	817	763	767	825	775	754	829	773	778	896	812	866	783	905	848	894	996	1009	591	470	508	433	480	486	410	451	414		
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
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 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
Syncon		738	738	738	674	825	825	825	926	926	926	926	926	926	926	926	926	926	825	825	825	825	738	651	651	651	500	464	464	464	277	151	151	151	151	151	464	738	738	738	551	151	0	151	277	277	277	277	651		
Hydro		198	130	143	264	136	253	253	186	168	186	187	214	193	202	214	215	175	149	136	124	140	157	162	95	112	182	197	243	203	276	290	320	301	315	393	201	202	188	272	201	310	581	501	496	422	300	349	155		
S.Reserve Total		2576	2794	2547	2704	2462	2636	2720	2755	2739	2831	2837	2951	2848	2859	2915	3081	2867	2825	2570	2441	2287	2138	1998	1931	1976	1870	1851	1877	1699	1559	1583	1405	1453	1387	1564	1639	1962	2051	2138	1475	1070	1210	1224	1385	1330	1127	1219	1395		