

### 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>17,084 MW</b>
Total Co-Gen	0 MW
<b>Total System</b>	<b>22,331 MW</b>

### Maximum Demand Record

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

### Gas Usage

Station	(mmscfd)
GLGR	29
SRDG	2
TJGS	107
<b>Total TNB</b>	<b>138</b>
CBPS	52
NPRI	156
<b>Total IPP</b>	<b>208</b>
<b>Total Gas</b>	<b>345</b>
<b>Total Gas Required</b>	<b>345</b>

### Alternate Fuel Usage

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

### Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	16,537 MW
TNB Generation	2,693 MW
IPP Generation	12,706 MW
Spinning Reserve	1,083 MW
Maximum Demand	15,582 MW
Net Energy	328,628 MWH
Load Factor	87.88 %

### Generation Mix

Type	MWh	Percentage
Hydro	19,094	5.81 %
Gas	36,514	11.11 %
<b>Total TNB</b>	<b>55,608</b>	<b>16.92 %</b>
ST-Coal	204,520	62.23 %
LSS	3,216	0.98 %
Gas	63,242	19.24 %
<b>Total IPP</b>	<b>270,978</b>	<b>82.46 %</b>
Co-Gen	1,296	0.39 %
<b>Total Co-Gen</b>	<b>1,296</b>	<b>0.39 %</b>
<b>Total Generation</b>	<b>327,882</b>	<b>99.77 %</b>
PLTG	-112	-0.03 %
HVDC	-634	-0.19 %
<b>Interconnection</b>	<b>-746</b>	<b>-0.23 %</b>
<b>Net Energy</b>	<b>328,628</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	50,132,354.81 RM
Cost per Unit	15.28 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	114
Hydro	404
Syncon	435
Thermal	424
<b>Total</b>	<b>1,377</b>

### Time Weather Temperature

Afternoon	Cloudy	32
Morning	Sunny	25

### 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	13111	12581	12084	11699	11444	11249	11360	11554	12177	13550	14108	14524	14551	14554	15017	15330	15582	15164	14386	14328	15302	15049	14844	14680

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, September 2, 2021 9:07:18 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	
MNOR	HY01	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY01	30	30	30	30	30	50	50	50	50	50	50	50	50	50	50	49	50	50	50	50	50	50	50	50	50
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	16	17	1	0	17
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY01	41	44	43	42	42	-1	-1	-1	-1	34	33	33	34	34	34	34	42	42	42	42	58	41	42	41	41
TMGR	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	44	47	45	46	74	42	46	46	42
TMGR	HY04	40	43	41	41	42	41	41	42	58	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	88	88	88	-1	-1	-1	-1	91	-1	-1
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	89	-1	-1	-1	-1	-1	91	-1	-1	-1
UPIA	HY01	5	5	6	5	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	5	6	6
UPIA	HY02	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Total Hydro		615	620	582	568	571	563	548	524	576	538	537	502	533	570	573	570	730	727	734	642	725	772	744	849	759
Total Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	1	3	6	9	11	12	15	15	23	17	20	21	14	16
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	3	8	16	24	26	25	29	21	32	28	29
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	5	6	10	14	29	23	15	32	29	32	22	25
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	11	20	25	28	36	37	39	40	38	43	45	36	26
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	13	11	12	14	22	27	28	31	35	37	
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	7	12	10	10	13	14	16	17	21	30	29	
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5	32	15	32	33	27	33	21	33	48	
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	11	19	26	27	29	42	39	34	31	41	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	5	16	25	13	18	39	25	27	30	27	30	
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	5	8	13	17	27	27	21	23	29	20	24	
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	1	4	8	10	12	9	13	14	14	14	14	18	25	
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	3	8	20	11	14	25	27	52	52	52	52	52	52	
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	5	12	16	23	17	19	21	27	23	33	35	
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	1	2	4	6	7	7	4	6	10	11	9	9	12	
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	1	4	8	19	11	16	23	20	22	30	26	29	30	
Total LSS		0	0	0	0	0	0	0	0	0	0	8	42	112	161	203	262	309	393	375	417	408	434	474	490	
PCUF	CUFG	28	28	29	27	29	29	28	28	29	29	29	29	30	28	28	27	28	28	29	29	29	29	27	28	
PCUF	CUFK	27	26	24	25	25	26	26	27	25	26	26	26	27	26	27	26	27	26	27	26	27	26	26	26	
Total Co-Gen		55	54	53	52	54	55	54	55	54	55	57	55	55	54	55	53	55	55	56	55	54	53	55	55	
Total Gen		13143	12850	12588	12313	12040	11890	11677	11500	11343	11249	11229	11265	11337	11386	11528	11669	12141	12932	13503	13850	14048	14310	14478	14569	
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
TIE-HVDC		30	30	-28	-29	-29	-28	-29	-29	-29	-29	-29	-29	-29	-30	-30	-30	-30	-30	-29	-29	-28	-30	-28	-30	
TIE-PLTG		5	-23	38	11	-11	-27	9	1	-69	-16	12	49	9	16	6	-27	-4	12	-15	-30	-27	-42	-13	-32	
Interconnection		35	7	10	-18	-40	-55	-19	-28	-98	-45	-16	20	-20	-13	-23	-56	-33	-17	-44	-60	-57	-72	-43	-61	
System Total		13111	12846	12581	12335	12084	11949	11699	11531	11444	11297	11249	11249	11360	11402	11554	11728	12177	12952	13550	13913	14108	14386	14524	14633	
SRev ST-Coal		785	842	838	851	885	885	898	977	978	977	983	979	981	982	982	973	982	885	767	703	687	614	617	620	
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

### 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																											
SRev CCGT-Gas		204	97	117	131	180	133	197	276	485	596	613	626	598	575	456	312	151	105	104	104	106	94	128	110	120	122	92	79	74	82	101	114	90	100	172	114	139	94	140	93	110	130	123	89	83	103	90	86			
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	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		651	651	651	651	738	738	738	738	738	738	738	738	587	738	738	738	464	464	464	651	651	651	651	464	651	464	651	651	651	313	277	338	338	151	151	464	500	651	651	464	151	338	464	464	464	126	277	464			
Hydro		143	138	176	189	186	107	123	147	95	133	133	168	289	101	98	101	321	324	317	222	139	91	168	250	153	254	152	127	319	348	407	460	488	718	841	518	392	300	306	516	744	615	533	433	435	519	316	242			
S.Reserve Total		1783	1728	1782	1822	1902	1863	1956	2138	2296	2444	2467	2511	2455	2396	2274	2124	1918	1778	1652	1680	1583	1450	1564	1444	1542	1453	1513	1453	1538	1209	1258	1094	1084	1134	1357	1264	1339	1546	1439	1248	1271	1294	1325	1338	1389	1132	1075	1219			