

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,159 MW
Distillate	0 MW
<b>Total TNB</b>	<b>2,159 MW</b>
<b>Total IPP</b>	<b>17,394 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>22,229 MW</b>

### Generation Mix

Type	MWh	Percentage
Hydro	16,712	4.31 %
Gas	44,214	11.39 %
<b>Total TNB</b>	<b>60,926</b>	<b>15.70 %</b>
ST-Coal	222,060	57.22 %
LSS	6,995	1.80 %
Gas	98,530	25.39 %
<b>Total IPP</b>	<b>327,585</b>	<b>84.41 %</b>
Co-Gen	-414	-0.11 %
<b>Total Co-Gen</b>	<b>-414</b>	<b>-0.11 %</b>
<b>Total Generation</b>	<b>388,097</b>	<b>100.00 %</b>
PLTG	5	0.00 %
HVDC	-16	0.00 %
<b>Interconnection</b>	<b>-11</b>	<b>0.00 %</b>
<b>Net Energy</b>	<b>388,108</b>	<b>100.00 %</b>

### Maximum Demand Record

Date: 5/11/2023	19,716 MW
Date: 5/11/2023	416,902 MWH

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

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	19,664 MW
TNB Generation	3,305 MW
IPP Generation	15,457 MW
Spinning Reserve	936 MW
Maximum Demand	18,724 MW
Net Energy	388,108 MWH
Load Factor	86.37 %

### Fuel Cost

Total Cost:	105,018,177.21 RM
Cost per Unit	27.02 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	359
Hydro	328
Syncon	478
Thermal	155
<b>Total</b>	<b>1,320</b>

### Time Weather Temperature

Afternoon	Hot	34
Morning	Sunny	28

### Gas Usage

Station	(mmscfd)
GLGR	54
TJGS	146
<b>Total TNB</b>	<b>199</b>
CBPS	53
EMPP	201
KLPP	60
NPRI	154
PCGP	89
PLPS	70
SKSP	28
SPGP	104
<b>Total IPP</b>	<b>759</b>
<b>Total Gas</b>	<b>958</b>

**Total Gas Required 958**

### 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	15158	14431	13904	13459	13075	12934	13366	13325	14076	15692	16604	17167	17144	16992	17882	18439	18696	18454	17316	16968	18360	18428	17970	17490

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, July 4, 2023 4:42:07 PM

(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
CEND	HY01	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
CEND	HY02	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
CEND	HY03	10	9	9	10	10	10	10	10	10	10	10	10	10	10	10	9	10	9	9	9	9	9	9	9
CEND	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7	7	7	7	
HTRG	HY01	68	69	69	68	68	68	69	69	69	69	68	68	68	68	69	99	99	99	99	99	99	99	99	99
HTRG	HY02	68	68	68	68	68	69	69	69	69	69	68	68	69	69	99	99	99	99	99	99	99	99	99	99
KNRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35	35	35	35	35
KNRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	37	37	37	37	37
KNRG	HY03	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	37	37	37	37	37	37
KNYR	HY01	99	96	96	96	97	99	99	96	98	99	99	99	99	99	0	0	0	0	61	99	98	99	99	99
KNYR	HY02	99	96	96	96	97	99	99	96	98	99	99	99	99	99	0	0	0	0	102	101	100	101	101	101
LPIA	HY01	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	9	9	9	11	11	11	11	11	11
LPIA	HY02	9	9	10	10	9	9	9	9	9	9	9	9	9	9	9	9	10	10	10	10	10	10	10	10
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
PGAU	HY01	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	21	20	20	-1	-1
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	108	-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
PGAU	HY04	-1	-1	-1	17	-1	-1	20	-1	-1	-1	0	0	0	0	0	0	0	0	-1	-1	21	0	0	0
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	30	30	30	30	30
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30	30
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30	30
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	26
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	16	16	17	17	17	17	17	17	17	0	0	0
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	84	84	33	32	9	-1	-1	33	82
TMGR	HY02	90	42	44	43	48	90	72	43	89	86	89	90	89	89	89	85	34	34	35	35	86	33	32	34
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	81	82	31	-1	-1	-1	-1	32	79
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	86	-1	-1	81	81
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	86	92	89	-1	-1
UPIA	HY02	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Total Hydro		507	453	456	473	482	509	512	456	506	505	529	529	507	508	509	508	509	399	332	332	335	555	607	451
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
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	8	10	5	7	21	21	23	24	21	26
BKLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	4	3	9	7	9	17	22	24	27	22	30	7
BLSL	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	4	7	11	15	19	22	25	27	29	32	30	14
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	3	5	8	22	26	29	32	34	37	32	28
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	3	7	12	17	21	26	19	22	23	24	27
GELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	6	10	15	12	16	5	6	17	8
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	14	20	25	29	33	38	34	37	43	39
JELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	3	7	12	17	21	24	27	30	29	28	23	32
JLSL	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	16	20	24	23	27	25	39	43	43	36
KDLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	10	22	35	47	57	66	74	81	86	91	59	77
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	5	11	15	21	26	29	33	34	37	32	35	35
KMLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	3	5	8	13	17	21	23	25	29	29	29	19
KNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	2	6	31	46	59	70	79	88	94	98	98	100
KRLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	1	2	10	14	18	22	25	27	29	29	29	29
MALS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	2	2	9	10	13	18	20	28	29	29	29	29

