

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,487 MW
Distillate	0 MW
<b>Total TNB</b>	<b>2,487 MW</b>
<b>Total IPP</b>	<b>15,120 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>21,609 MW</b>

### Generation Mix

Type	MWh	Percentage
Hydro	15,919	4.25 %
Gas	64,362	17.17 %
<b>Total TNB</b>	<b>80,281</b>	<b>21.42 %</b>
ST-Coal	205,056	54.70 %
LSS	6,469	1.73 %
Gas	84,010	22.41 %
<b>Total IPP</b>	<b>295,535</b>	<b>78.84 %</b>
Co-Gen	-1,476	-0.39 %
<b>Total Co-Gen</b>	<b>-1,476</b>	<b>-0.39 %</b>
<b>Total Generation</b>	<b>374,340</b>	<b>99.87 %</b>
PLTG	198	0.05 %
HVDC	-699	-0.19 %
<b>Interconnection</b>	<b>-501</b>	<b>-0.13 %</b>
<b>Net Energy</b>	<b>374,841</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	19,019 MW
TNB Generation	4,315 MW
IPP Generation	13,580 MW
Spinning Reserve	1,184 MW
Maximum Demand	17,830 MW
Net Energy	374,841 MWH
Load Factor	87.60 %

### Fuel Cost

Total Cost:	90,860,072.51 RM
Cost per Unit	24.12 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	466
Hydro	585
Syncon	597
Thermal	147
<b>Total</b>	<b>1,795</b>

### Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

### Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	192
<b>Total TNB</b>	<b>222</b>
CBPS	48
EMPP	95
KLPP	81
NPRI	73
PCGP	85
PLPS	80
SGRI	86
SKSP	52
SPGP	202
<b>Total IPP</b>	<b>803</b>
<b>Total Gas</b>	<b>1,024</b>
<b>Total Gas Required</b>	<b>1,024</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	15105	14399	13923	13571	13202	13044	13434	13555	13713	15132	15866	16316	16330	16062	16508	17431	17762	17493	16536	16844	17463	17222	16644	16393

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, December 12, 2023 8:59:44 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
BSIA	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BSIA	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
BSIA	HY03	22	22	22	23	22	22	22	22	22	23	24	24	24	24	24	24	11	11	11	11	11	11	11	11
CEND	HY01	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY02	8	8	8	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9
CEND	HY03	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY04	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
HTRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	68	68	68	68	68	68	68	68	68	68
HTRG	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
HTRG	HY03	7	8	8	7	7	7	7	8	8	8	8	8	7	7	7	7	7	7	7	7	8	8	7	7
HTRG	HY04	3	3	3	4	4	3	3	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
KNRG	HY01	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY02	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	24	24	24	24	25	25	24	25
KNRG	HY03	37	38	38	38	38	38	38	38	38	38	38	38	38	38	22	22	22	22	22	22	22	22	22	22
KNYR	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	59	59	58	58	60	59	61	63	96	96	96
KNYR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
KNYR	HY04	55	62	57	58	55	68	57	56	59	59	58	64	58	59	60	58	98	60	0	0	0	0	0	0
LPIA	HY01	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
LPIA	HY02	22	22	22	22	22	22	23	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	21	21	21	21	21	22	22	22	22
SIHY	HY01	50	50	50	50	49	50	50	49	50	50	50	50	50	50	50	50	50	50	50	30	0	0	0	50
SIHY	HY02	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	30	9	0	0	50	50
SYPS	HY01	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	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
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
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
TMGR	HY01	45	44	44	44	41	56	43	42	44	44	42	81	84	44	59	43	75	-1	-1	-1	-1	-1	-1	-1
TMGR	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
TMGR	HY04	39	41	40	41	37	41	38	38	41	41	39	41	40	40	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
UPIA	HY02	6	6	6	6	5	5	5	5	5	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Total Hydro		437	404	398	401	388	420	394	413	401	401	395	344	359	318	274	255	287	295	345	343	346	374	340	352
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	0	0	1	3	7	11	18	20	11	19	20	26
BELS	LSS4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	9	19	28	32	19	45	48	0
BKLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	7	14	17	21	25	23	25	29
BNLS	LSS4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	12	19	19	19	15	24	17
BSLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	12	18	19	25	28	31	28	34
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	13	18	23	20	32	32	32	33
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	8	9	9	17	24	23	33	24	34
GELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	8	7	10	13	12	6	6	13	14

