

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,537 MW
Distillate	0 MW
<b>Total TNB</b>	<b>2,537 MW</b>
<b>Total IPP</b>	<b>14,665 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>21,204 MW</b>

### Generation Mix

Type	MWh	Percentage
Hydro	23,403	6.33 %
Gas	63,218	17.09 %
<b>Total TNB</b>	<b>86,621</b>	<b>23.42 %</b>
ST-Coal	206,004	55.69 %
LSS	5,039	1.36 %
Gas	71,413	19.30 %
<b>Total IPP</b>	<b>282,456</b>	<b>76.35 %</b>
Co-Gen	158	0.04 %
<b>Total Co-Gen</b>	<b>158</b>	<b>0.04 %</b>
<b>Total Generation</b>	<b>369,235</b>	<b>99.81 %</b>
PLTG	-6	0.00 %
HVDC	-697	-0.19 %
<b>Interconnection</b>	<b>-703</b>	<b>-0.19 %</b>
<b>Net Energy</b>	<b>369,938</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	18,231 MW
TNB Generation	4,233 MW
IPP Generation	12,831 MW
Spinning Reserve	1,178 MW
Maximum Demand	17,116 MW
Net Energy	369,938 MWH
Load Factor	90.06 %

### Fuel Cost

Total Cost:	87,109,614.40 RM
Cost per Unit	23.54 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	490
Hydro	435
Syncon	365
Thermal	152
<b>Total</b>	<b>1,442</b>

### Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	28

### Gas Usage

Station	(mmscfd)
GLGR	30
TJGS	185
<b>Total TNB</b>	<b>214</b>
CBPS	48
EMPP	96
KLPP	79
PCGP	83
PLPS	77
SGRI	78
SKSP	50
SPGP	203
<b>Total IPP</b>	<b>715</b>
<b>Total Gas</b>	<b>930</b>
<b>Total Gas Required</b>	<b>930</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	15257	14525	13970	13617	13239	13090	13287	13404	13861	15328	16060	16476	16319	16034	16627	16945	17071	16899	16124	16165	16816	16596	16096	15747

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, January 3, 2024 11:53:14 AM

(Ir. Shanmugam Thoppalan)  
Head  
Grid System Operator



### Daily MW Generation on Thursday

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	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	23	23	23	23	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	23	24	23	23	23	
CEND	HY01	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
CEND	HY02	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
CEND	HY03	6	7	6	7	6	7	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
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	HY02	68	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	68	68	68	68	68	68	68	68	68	68	68	68	
HTRG	HY03	7	7	8	8	7	7	7	8	8	7	8	8	7	7	8	8	7	7	8	8	8	8	8	8	
HTRG	HY04	3	3	3	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	4	4	3	3	3	
KNRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	22	23	22	22	
KNRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	22	22	22	22	
KNRG	HY03	38	38	38	38	33	20	20	20	20	20	20	20	23	23	23	23	23	23	37	37	37	37	37	37	
KNYR	HY01	99	99	98	99	99	101	101	99	99	98	99	99	100	100	100	101	101	101	105	104	105	105	105	105	
KNYR	HY02	100	100	99	100	100	101	101	99	100	99	99	99	100	100	101	101	101	105	105	106	106	105	105	105	
KNYR	HY03	98	98	96	98	97	98	98	97	98	97	97	98	99	98	99	101	102	101	98	101	101	99	104	104	
KNYR	HY04	59	87	57	72	59	95	79	59	59	58	64	59	99	73	59	69	101	102	102	94	60	102	86	99	
LPIA	HY01	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	
LPIA	HY02	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	
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	112	112	111	111	-1	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	19	19	21	21	111	
PGAU	HY02	113	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	83	83	83	83	83	21	-1	-1	-1	-1	-1	-1	
PGAU	HY03	112	112	112	61	20	20	20	21	20	21	21	21	21	21	21	21	21	21	-1	-1	-1	-1	-1	-1	
PGAU	HY04	22	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	0	0	0	0	0	0	0	0	14	50	50	50	50	49	50	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	
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	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	18	18	18	18	18	
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	87	-1	-1	-1	-1	32	33	33	33	
TMGR	HY02	46	52	44	46	44	45	45	44	46	44	45	44	59	47	47	44	87	60	88	72	44	90	44	46	
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	32	32	80	80	
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	85	33	32	35	35	31	33	33	81	
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	99	96	0	0	0	89	86	95	105	
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	98	96	102	184	184	90	88	97	107	
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	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		978	808	765	787	602	576	561	534	541	534	556	586	645	630	592	688	748	722	932	1003	835	937	1040	1013	
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	0	0	0	1	2	2	5	7	16	14	12	12	19	
BELS	LSS4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	7	9	12	37	18	23	35	33	34	
BKLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	6	10	12	17	12	28	25	30	
BNLS	LSS4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	7	14	13	19	15	14	19	
BSLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	5	6	21	10	13	25	20	19	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	9	9	29	21	25	29	30	24	
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	3	7	10	9	15	11	20	

