

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,510 MW
Distillate	0 MW
<b>Total TNB</b>	<b>2,510 MW</b>
<b>Total IPP</b>	<b>15,397 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>21,754 MW</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	18,978 MW
TNB Generation	4,022 MW
IPP Generation	13,838 MW
Spinning Reserve	1,158 MW
Maximum Demand	17,768 MW
Net Energy	378,314 MWH
Load Factor	88.72 %

### Gas Usage

Station	(mmscfd)	Station	(mmscfd)
GLGR	29	<b>Total</b>	<b>0</b>
TJGS	185		
<b>Total TNB</b>	<b>214</b>		
CBPS	47		
EMPP	106		
KLPP	83		
NPRI	152		
PCGP	88		
PLPS	86		
SKSP	24		
SPGP	208		
<b>Total IPP</b>	<b>795</b>		
<b>Total Gas</b>	<b>1,009</b>		
<b>Total Gas Required</b>	<b>1,009</b>		

### Generation Mix

Type	MWh	Percentage
Hydro	13,030	3.44 %
Gas	64,313	17.00 %
<b>Total TNB</b>	<b>77,343</b>	<b>20.44 %</b>
ST-Coal	211,929	56.02 %
LSS	4,936	1.30 %
Gas	85,888	22.70 %
<b>Total IPP</b>	<b>302,753</b>	<b>80.03 %</b>
Co-Gen	-1,188	-0.31 %
<b>Total Co-Gen</b>	<b>-1,188</b>	<b>-0.31 %</b>
<b>Total Generation</b>	<b>378,908</b>	<b>100.16 %</b>
PLTG	-124	-0.03 %
HVDC	718	0.19 %
<b>Interconnection</b>	<b>594</b>	<b>0.16 %</b>
<b>Net Energy</b>	<b>378,314</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	92,535,084.63 RM
Cost per Unit	24.27 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	304
Hydro	433
Syncon	647
Thermal	134
<b>Total</b>	<b>1,518</b>

### Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	29

### 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	15208	14439	13938	13574	13189	13146	13445	13608	13921	15408	16151	16643	16657	16277	16970	17508	17757	17588	16710	17135	17632	17424	16929	16473

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, December 6, 2023 5:34:11 PM  
 (Ir. Shanmugam Thoppalan)  
 Head  
 Grid System Operator



### Daily MW Generation on Wednesday

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
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	7	7	8	8	8	8	7	8	8	8	7	7	8	8	8	8	7	7	7	7	7	7	7
HTRG	HY04	3	3	3	3	4	4	4	3	3	3	3	4	4	3	3	3	3	3	3	3	3	3	3	3
KNRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	37	37	37	37	37	37	37	37
KNRG	HY03	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	37	37	37	37	37	37	37	37
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	56	55	55	55	57	60	60	59	59	59	59	60	63	62	61	60	62	61	60	58	58	62	60	59
LPIA	HY02	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
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	18	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	31	111	111
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	18	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	-1	-1	-1	-1	18	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	54	81	81	82	82	82	82	21	21
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	159	159	159	158	158	158	157	158	158	82
SIHY	HY01	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30
SIHY	HY02	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30
SIHY	HY03	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	18	18	18
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	26	26	26	26	26	25	25	25	25
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17
TMGR	HY01	42	44	42	44	43	55	44	44	44	44	68	46	54	44	46	50	83	83	71	51	83	53	84	44
TMGR	HY04	-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	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	93	-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	94	-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	5	6	5	5	5	6	5	6	6	5	6	6	6	6	6	5	5	5	5	5	5	5	5
Total Hydro		310	220	219	221	222	258	228	225	226	245	244	249	227	235	224	226	231	268	268	450	393	452	444	473
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
BDSL	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	4	7	10	15	18	20	14	24	23	23	27
BKLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	2	5	8	16	14	15	26	10	33	22	9	11
BSLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	6	3	2	7	16	25	20	22	31	32	14	30
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	7	13	19	25	22	24	24	19	21	22	33
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5	6	10	15	7	13	13	16	17	14
GELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	2	4	4	16	22	11	19	12	8	31	31	21
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	8	5	4	9	29	26	32	20	46	32	35
JELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	6	6	10	15	22	23	23	24	32
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	10	12	20	14	13	33	24	32	28	45	46
KDLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	10	10	5	18	64	62	79	67	76	92	68	88
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	5	5	6	8	30	33	32	42	20	37	33
KMLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	1	3	3	3	6	10	19	29	25	31	32	21
KNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	1	6	30	48	61	73	82	90	78	100	98	88
KRLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	2	7	13	17	21	25	28	28	30	30	29	26
MALS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	2	9	5	1	2	3	8	27	19	8	3	4
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	7	3	7	10	8	8	0	1	3	8	35
MNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	2	7	17	6	18	15	10	3	2	5	12	58
PKLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	27	100	46	35	81	42	48	81
SNLS	LSS4	0	0	0	0	0	0	0	0	0	0	0	0	1	4	13	22	30	37	43	33	49	50	50	48

