

### 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>14,814 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>21,303 MW</b>

### Generation Mix

Type	MWh	Percentage
Hydro	14,098	4.26 %
Gas	65,817	19.87 %
<b>Total TNB</b>	<b>79,915</b>	<b>24.12 %</b>
ST-Coal	201,153	60.72 %
LSS	5,830	1.76 %
Gas	44,738	13.51 %
<b>Total IPP</b>	<b>251,721</b>	<b>75.99 %</b>
Co-Gen	-678	-0.20 %
<b>Total Co-Gen</b>	<b>-678</b>	<b>-0.20 %</b>
<b>Total Generation</b>	<b>330,958</b>	<b>99.91 %</b>
PLTG	50	0.02 %
HVDC	-352	-0.11 %
<b>Interconnection</b>	<b>-302</b>	<b>-0.09 %</b>
<b>Net Energy</b>	<b>331,260</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:	20:00:00 Hour
Total Set On Bus	17,328 MW
TNB Generation	4,195 MW
IPP Generation	11,800 MW
Spinning Reserve	1,364 MW
Maximum Demand	15,996 MW
Net Energy	331,260 MWH
Load Factor	86.29 %

### Fuel Cost

Total Cost:	78,136,382.00 RM
Cost per Unit	23.47 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	167
Hydro	389
Syncon	828
Thermal	536
<b>Total</b>	<b>1,920</b>

### Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	28

### Gas Usage

Station	(mmscfd)
GLGR	31
TJGS	201
<b>Total TNB</b>	<b>232</b>
CBPS	0
KLPP	64
NPRI	76
PCGP	85
PLPS	50
SGRI	38
SKSP	6
SPGP	201
<b>Total IPP</b>	<b>519</b>
<b>Total Gas</b>	<b>751</b>
<b>Total Gas Required</b>	<b>751</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	14787	14125	13558	13142	12810	12579	12627	12466	11821	12175	12740	13097	13196	13240	13738	14078	14244	14372	14195	14894	15996	15945	15677	15482

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, December 18, 2023 9:29:47 AM

(Ir. Shanmugam Thoppalan)  
Head  
Grid System Operator



### Daily MW Generation on Sunday

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	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	68	68	69	68	68	68	68	68	68	68	69	69	69	68	68	69	68	68	69	68	68	68	68	69
HTRG	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	120	68	68
HTRG	HY03	8	8	7	7	7	8	8	8	8	8	8	7	7	8	8	7	7	8	8	8	8	7	7	7
HTRG	HY04	3	4	4	3	4	4	3	3	3	3	4	4	4	3	3	3	3	3	3	3	3	4	4	3
KNRG	HY02	37	37	37	37	37	37	37	37	37	37	37	23	24	24	23	24	23	23	22	23	22	23	23	22
KNRG	HY03	37	37	37	37	37	37	37	37	37	37	37	21	22	22	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	0	0	0	0	0	0	0	97	96	96	96
KNYR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	98	-1	-1	-1	-1	-1	-1	-1	-1	-1
KNYR	HY03	50	52	51	53	48	55	51	56	49	52	53	51	51	54	55	49	49	51	53	96	58	60	58	55
KNYR	HY04	57	60	59	83	54	84	57	99	57	60	59	58	58	98	76	100	57	57	58	73	58	58	77	61
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	20
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	150	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	0	0	0	0	0	0	0	0	19	-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	151	151	0	0	0	0	-1	151	18	18	18	18	18	18	19	19	20	20	20	20	20	-1	-1	-1
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	80
SIHY	HY01	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50
SIHY	HY02	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50
SYPS	HY01	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
SYPS	HY02	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
SYPS	HY03	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25
TMGR	HY01	0	0	81	82	81	82	79	42	39	41	41	41	42	42	42	42	45	43	57	42	43	64	44	41
TMGR	HY02	0	35	34	35	35	35	32	35	32	33	35	34	35	35	0	0	0	0	0	0	0	0	0	0
TMGR	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
TMGR	HY04	83	86	84	85	85	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UJLI	HY01	-1	96	-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	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		926	740	568	596	559	513	475	489	432	594	485	459	461	462	471	470	475	423	428	429	462	473	407	472
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	2	2	3	6	6	11	14	20	24	22	26
BELS	LSS4	0	0	0	0	0	0	0	0	0	0	0	0	1	6	13	20	27	34	40	45	48	50	50	50
BKLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	2	5	8	10	11	14	24	11	26	28	30	14
BNLS	LSS4	0	0	0	0	0	0	0	0	0	0	0	0	2	5	10	15	10	19	18	14	20	23	20	21
BSLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	3	7	12	15	20	24	28	30	32	34	35	33
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	9	14	19	24	29	31	38	41	42	36
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	3	3	2	3	4	6	3	6	7	14	9
GELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	2	4	8	4	7	4	6	7	17	22	13	11
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	4	11	18	24	29	34	38	41	44	45	50	30
JELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	2	7	11	15	18	21	24	19	29	24	17	17
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	11	17	24	22	37	33	34	30	43	44
KDLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	7	16	26	38	51	62	69	76	80	87	86	82
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	4	9	17	22	27	32	35	39	43	46	44	44

