

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,387 MW
Distillate	0 MW
Total TNB	2,387 MW
Total IPP	13,373 MW
Total Co-Gen	0 MW
Total System	19,408 MW

Generation Mix

Type	MWh	Percentage
Hydro	32,381	10.13 %
Gas	49,151	15.38 %
Total TNB	81,532	25.52 %
ST-Coal	179,967	56.32 %
LSS	6,765	2.12 %
Gas	49,681	15.55 %
Total IPP	236,413	73.99 %
Co-Gen	871	0.27 %
Total Co-Gen	871	0.27 %
Total Generation	318,816	99.77 %
PLTG	-20	-0.01 %
HVDC	-705	-0.22 %
Interconnection	-725	-0.23 %
Net Energy	319,541	100.00 %

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	16,545 MW
TNB Generation	4,414 MW
IPP Generation	10,852 MW
Spinning Reserve	1,246 MW
Maximum Demand	15,328 MW
Net Energy	319,541 MWH
Load Factor	86.86 %

Fuel Cost

Total Cost:	71,890,207.78 RM
Cost per Unit	22.49 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,085
Hydro	237
Syncon	414
Thermal	534
Total	2,270

Time Weather Temperature

Afternoon	Rainy	32
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	129
Total TNB	159
CBPS	43
EMPP	69
KLPP	49
PCGP	76
PLPS	77
SGRI	44
SPGP	174
Total IPP	533
Total Gas	691
Total Gas Required	691

Alternate Fuel Usage

Station	(mmscfd)
Total	0

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	14329	13760	13198	12851	12475	12285	12310	12242	11589	12030	12468	12779	12805	12771	13150	13429	13704	13946	13566	14281	15328	15172	14680	14350

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, January 3, 2024 12:00:59 PM

(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	HY02	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
CEND	HY03	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	60	-1	-1	-1	-1	-1	-1	-1	-1
HTRG	HY03	8	7	7	7	7	8	8	7	7	7	7	7	7	7	7	8	8	8	8	7	7	7	7	7
HTRG	HY04	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
KNRG	HY01	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
KNRG	HY02	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
KNRG	HY03	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
KNYR	HY01	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105
KNYR	HY02	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	102	101	102	101	101	101	105	105	105
KNYR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	105	105	105
KNYR	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	103	103	103	103
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	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
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	150	150	150	150	150	150	150	112	112	113	112	112	21	21	20	21	21	22	22	82	82	82	112
PGAU	HY02	148	147	147	147	147	147	150	151	151	152	114	114	114	21	21	21	21	21	83	22	22	22	22	0
PGAU	HY03	150	150	150	150	150	149	150	112	82	82	82	81	82	82	81	20	21	21	52	82	112	112	112	113
PGAU	HY04	152	152	151	152	152	151	152	105	80	79	79	79	80	79	22	21	21	45	79	107	109	80	106	107
SIHY	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
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	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	84	85	85	85	85	85	85	85	85	85	86	86	85	86	85	85	85	85	85	85	85	85	85	85
TMGR	HY02	45	91	91	90	90	89	79	46	90	56	79	79	91	78	88	45	45	92	92	90	90	86	89	91
TMGR	HY03	2	2	2	2	0	32	83	83	82	82	83	84	84	82	82	84	80	81	80	80	81	77	79	81
TMGR	HY04	83	84	84	84	83	84	85	83	84	84	84	84	84	-1	81	81	80	81	78	80	81	81	81	81
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	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Total Hydro		1295	1342	1340	1339	1336	1367	1411	1294	1283	1247	1273	1199	1212	1221	1149	1042	771	903	955	1018	1078	1129	1016	1141
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	2	5	8	15	13	17	12	12	21	9
BELS	LSS4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	23	17	19	29	44	48	49	47
BKLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	8	12	12	22	18	8	18	16
BNLS	LSS4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	13	15	15	25	10	14	13	24	17
BSLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	14	11	13	18	27	31	32	34
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	8	23	30	33	41	29	30	11
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	5	5	7	9	12	15	10	11
GELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	10	7	6	6	10	12	10
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5	22	29	34	38	42	44	31
JELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	11	14	17	21	16	24	27	15

