

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,351 MW
Distillate	0 MW
Total TNB	2,351 MW
Total IPP	17,453 MW
Total Co-Gen	0 MW
Total System	23,217 MW

Generation Mix

Type	MWh	Percentage
Hydro	20,305	5.29 %
Gas	62,792	16.37 %
Total TNB	83,097	21.67 %
ST-Coal	204,461	53.32 %
ST-Gas	29	0.01 %
LSS	5,267	1.37 %
Gas	92,508	24.12 %
Total IPP	302,265	78.82 %
Co-Gen	-2,018	-0.53 %
Total Co-Gen	-2,018	-0.53 %
Total Generation	383,344	99.96 %
PLTG	-138	-0.04 %
Interconnection	-138	-0.04 %
Net Energy	383,482	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:	16:00:00 Hour
Total Set On Bus	19,336 MW
TNB Generation	4,657 MW
IPP Generation	13,876 MW
Spinning Reserve	899 MW
Maximum Demand	18,438 MW
Net Energy	383,482 MWH
Load Factor	86.66 %

Fuel Cost

Total Cost:	90,595,775.69 RM
Cost per Unit	23.47 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	523
Hydro	364
Syncon	493
Thermal	141
Total	1,521

Time Weather Temperature

Afternoon	Sunny	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	29
SRDG	1
TJGS	182
Total TNB	212
CBPS	46
EMPP	265
NPRI	141
PCGP	81
PLPS	49
SKSP	25
SPGP	203
PKLG	0
Total IPP	810
Total Gas	1,022
Total Gas Required	1,022

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	15607	14750	14317	13857	13517	13402	13785	13755	14102	15633	16439	17105	17094	16896	17643	18177	18438	17740	16802	17075	17288	17071	16512	16000

Prepared By: -Select Name-

Checked By: -Select Name-

(Ir. Shanmugam Thoppalan)
Printed on: Wednesday, December 6, 2023 6:30:24 Head
PM Grid System Operator

Daily MW Generation on Tuesday

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	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	0	0	69	68	68	0	0	0	0	0
HTRG	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	69	-1	-1	-1	-1	-1	-1
HTRG	HY03	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
HTRG	HY04	3	3	3	3	3	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
KNRG	HY01	22	23	22	22	23	22	22	22	23	22	22	23	23	22	22	23	22	23	22	23	23	23	23	23
KNRG	HY02	24	24	24	24	24	24	24	22	23	22	23	23	23	22	22	23	23	23	23	23	23	23	23	23
KNRG	HY03	20	20	20	20	20	20	20	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
KNYR	HY01	93	93	93	93	93	93	56	58	58	58	93	93	93	93	93	93	93	93	93	93	93	93	93	93
KNYR	HY02	93	93	93	93	93	93	57	57	57	57	94	93	93	93	93	93	93	93	93	93	93	93	93	93
KNYR	HY03	96	96	96	96	96	96	97	97	49	49	97	96	96	96	96	96	96	96	96	96	96	96	96	96
KNYR	HY04	79	95	94	90	92	60	62	58	59	89	59	67	95	72	61	58	95	94	94	60	61	83	95	74
LPIA	HY01	23	23	23	23	23	23	23	23	23	23	23	23	23	22	22	21	21	21	21	20	20	21	21	20
LPIA	HY02	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	21	21	22	22	9	5
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	19	-1	-1	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	81	81	111	112	152
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	107	107	105	138	138	138
PGAU	HY03	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	82	82	82	83	83
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	0
SYPS	HY01	27	27	27	27	27	0	0	0	0	0	0	0	0	0	0	0	0	0	18	18	27	27	27	27
SYPS	HY03	25	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	25	25	25	25
SYPS	HY04	25	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25
TMGR	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
TMGR	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
TMGR	HY03	0	0	0	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY04	42	42	43	43	44	40	41	42	40	71	41	45	83	52	41	40	46	50	46	43	83	83	83	78
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	194	194	194	-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	197	197	197	187	187	183	98
UPIA	HY01	4	4	5	4	4	5	5	5	5	5	5	5	5	4	4	4	4	4	4	8	8	8	8	8
UPIA	HY02	5	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Total Hydro		691	709	656	651	690	619	546	491	491	486	424	556	642	566	544	539	583	586	583	546	651	625	842	817
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	5	8	13	16	18	21	23	25	25	18
BKLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	8	12	17	19	22	28	18	31	33
BSLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	11	15	20	24	27	29	30	27	19
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	11	19	22	30	29	27	38	39	37
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	2	2	5	8	8	15	20	18	13
GELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	17	21	19	22	27	26	26	12	8
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	9	20	26	31	35	42	44	44	35
JELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	11	14	18	20	25	27	29	30	32
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	11	15	18	28	35	40	39	37	34	35
KDLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	12	26	38	50	61	70	74	80	85	77	58
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	14	20	27	32	35	37	41	24	45
KMLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	8	14	18	23	25	27	29	31	31
KNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	4	20	33	17	69	78	87	71	26	33	92
KRLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	10	17	19	20	24	30	16	17	30

