

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,325 MW
Distillate	0 MW
Total TNB	2,325 MW
Total IPP	15,404 MW
Total Co-Gen	0 MW
Total System	20,717 MW

Generation Mix

Type	MWh	Percentage
Hydro	18,571	4.72 %
Gas	50,124	12.73 %
Total TNB	68,695	17.45 %
ST-Coal	224,547	57.04 %
ST-Oil	407	0.10 %
LSS	6,038	1.53 %
Gas	94,458	24.00 %
Total IPP	325,450	82.68 %
Co-Gen	-1,123	-0.29 %
Total Co-Gen	-1,123	-0.29 %
Total Generation	393,022	99.85 %
PLTG	85	0.02 %
HVDC	-695	-0.18 %
Interconnection	-610	-0.15 %
Net Energy	393,632	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	19,884 MW
TNB Generation	3,924 MW
IPP Generation	14,685 MW
Spinning Reserve	1,337 MW
Maximum Demand	18,555 MW
Net Energy	393,632 MWH
Load Factor	88.39 %

Fuel Cost

Total Cost:	104,611,314.04 RM
Cost per Unit	26.53 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	357
Hydro	398
Syncon	542
Thermal	144
Total	1,441

Time Weather Temperature

Afternoon	Hot	35
Morning	Cloudy	30

Gas Usage

Station	(mmscfd)
GLGR	41
TJGS	195
Total TNB	236
CBPS	50
EMPP	194
NPRI	144
PCGP	84
PLPS	71
SGRI	89
SKSP	1
SPGP	104
Total IPP	737
Total Gas	973
Total Gas Required	977

Alternate Fuel Usage

Station	(mmscfd)
PKLG	4
Total	4

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	16549	15757	15162	14669	14266	13986	14138	14008	14306	15950	16881	17287	17326	17099	17627	18388	18555	18176	16916	16803	17843	17742	17259	16940

Daily MW Generation on Friday

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
Total OCGT-Gas		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	HY01	21	21	11	11	12	11	12	11	11	11	11	11	11	12	12	11	21	21	21	21	21	21	21	22
BSIA	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	20	20	20	20	20	20	20	20
BSIA	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	24	24	24	24	24	24	24	24
CEND	HY01	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	9	9	9	9	9	10
CEND	HY02	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	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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	124	69	69	-1	-1	-1	-1	11	21
HTRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	70	69	69	69	69	69
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	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
KNRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	37	37	37	37	37
KNRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	37	37	37	37	37
KNRG	HY03	39	39	22	22	22	22	22	22	22	22	22	22	22	22	22	39	39	39	39	37	37	37	37	37
KNYR	HY01	96	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
KNYR	HY02	87	65	60	61	99	57	99	92	98	90	95	83	99	99	96	66	64	99	99	99	99	99	99	99
KNYR	HY03	94	95	94	94	93	92	92	92	91	92	92	93	94	95	95	94	95	94	94	94	93	93	91	91
LPIA	HY01	12	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
LPIA	HY02	12	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
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	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1
PGAU	HY02	-1	-1	-1	-1	18	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	22	22
PGAU	HY04	-1	-1	-1	19	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	20	-1	20	20	-1	-1	20	21	19
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	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	30	50	50
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	12	0	0	0	0	30	50	50
SYPS	HY01	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	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	0	17	17	17
TMGR	HY01	79	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	85	85	85	84	84	85	84	34	34	85
TMGR	HY02	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	50
TMGR	HY04	78	82	32	33	34	31	34	34	32	32	32	32	32	32	81	84	84	84	84	83	83	83	83	83
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	92	89	-1
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	101	95	94	-1	-1	-1	-1	-1	-1
UPIA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
UPIA	HY02	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Total Hydro		596	468	385	407	426	398	425	417	440	433	418	407	458	479	457	392	523	563	582	715	826	841	1127	1000
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	1	2	4	8	7	6	9	10	23	10
BKLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	8	7	16	14	8	9	20	24
BSLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	7	10	14	21	23	23	28	25	18
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	8	15	21	22	27	23	35	26	41
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	10	16	12	16	24	26	37	33
GELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	10	8	10	7	5	7	6	23
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	8	12	19	28	32	39	15	44

