

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,412 MW
Distillate	0 MW
Total TNB	2,412 MW
Total IPP	17,518 MW
Total Co-Gen	0 MW
Total System	23,932 MW

Generation Mix

Type	MWh	Percentage
Hydro	17,865	5.19 %
Gas	52,053	15.11 %
Total TNB	69,918	20.30 %
ST-Coal	190,531	55.31 %
LSS	5,792	1.68 %
Gas	78,375	22.75 %
Total IPP	274,698	79.74 %
Co-Gen	-366	-0.11 %
Total Co-Gen	-366	-0.11 %
Total Generation	344,250	99.93 %
PLTG	-247	-0.07 %
Interconnection	-247	-0.07 %
Net Energy	344,497	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:	20:30:00 Hour
Total Set On Bus	17,177 MW
TNB Generation	3,842 MW
IPP Generation	12,232 MW
Spinning Reserve	1,113 MW
Maximum Demand	16,102 MW
Net Energy	344,497 MWH
Load Factor	89.14 %

Fuel Cost

Total Cost:	82,862,938.95 RM
Cost per Unit	24.05 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	191
Hydro	352
Syncon	670
Thermal	359
Total	1,572

Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	31
TJGS	102
Total TNB	132
CBPS	49
EMPP	203
NPRI	154
PCGP	88
PLPS	0
SPGP	209
Total IPP	704
Total Gas	836
Total Gas Required	836

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	14109	13518	12976	12582	12287	12076	12102	12151	12526	13982	14723	15143	15164	14919	15294	15782	16003	15826	15020	14980	16048	15959	15498	15387

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 LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ESTL	ESTL	-12	-15	-14	-12	-8	-12	-14	-13	-12	-13	-14	-13	-12	-10	-14	-16	-16	-16	-18	-16	-16	-16	-17	-16
KHTC	BLK1	-6	-8	-5	-4	-3	-3	-1	-3	-2	-2	2	0	1	-2	-4	-1	-6	-6	-11	-11	-12	-13	-15	-15
PCUF	CUFG	12	3	2	3	2	2	4	3	2	2	2	4	5	2	2	3	1	3	3	4	4	3	2	1
PCUF	CUFK	20	2	3	3	2	2	3	3	2	3	2	2	3	3	3	3	4	3	1	2	2	1	3	2
PFTZ	PFTZ	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	1	2	3	3	3
Total Co-Gen		15	-16	-12	-8	-5	-9	-6	-10	-10	-8	-4	-7	-4	-5	-10	-6	-9	-15	-17	-18	-19	-19	-26	-26
Total Gen		14079	13673	13484	13242	12940	12718	12581	12449	12315	12160	12074	11984	12094	12139	12152	12103	12499	13530	13992	14291	14720	15049	15160	
TIE-EGAT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TIE-HVDC		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TIE-PLTG		-30	-10	-34	-33	-36	-5	-1	13	28	3	-2	-15	-8	-12	1	-8	-27	25	10	15	-3	-3	17	-5
Interconnection		-30	-10	-34	-33	-36	-5	-1	13	28	3	-2	-15	-8	-12	1	-8	-27	25	10	15	-3	-3	17	-5
System Total		14109	13683	13518	13275	12976	12723	12582	12436	12287	12157	12076	11999	12102	12151	12111	12526	13505	13982	14276	14723	15052	15143	15258	
SRev ST-Coal		375	679	848	1196	1099	977	857	709	688	663	758	952	1099	1134	838	845	815	825	787	677	506	372	366	
SRev 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
SRev CCGT-Gas		396	447	473	355	348	428	670	880	995	1227	1205	1129	874	840	809	720	475	327	261	248	270	163	140	
SRev ST-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
SRev LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev Co-Gen		-1	0	-1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	-1	0	0	0	0	0
Syncon		890	890	890	890	890	890	978	978	978	827	978	827	978	978	978	890	890	991	978	827	827	978	890	890
Hydro		219	222	220	221	159	163	66	125	145	264	131	255	109	106	104	253	215	169	332	286	290	411	373	
S.Reserve Total		1879	2238	2430	2662	2496	2458	2571	2692	2806	2982	3072	3163	3060	3058	2729	2796	2483	2211	2269	2202	2044	1773	1706	