

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,337 MW
Distillate	0 MW
Total TNB	2,337 MW
Total IPP	19,711 MW
Total Co-Gen	0 MW
Total System	26,050 MW

Generation Mix

Type	MWh	Percentage
Hydro	12,239	4.28 %
Gas	37,293	13.04 %
Total TNB	49,532	17.32 %
ST-Coal	140,985	49.30 %
LSS	5,718	2.00 %
Gas	89,620	31.34 %
Total IPP	236,323	82.64 %
Co-Gen	590	0.21 %
Total Co-Gen	590	0.21 %
Total Generation	286,445	100.17 %
PLTG	-245	-0.09 %
HVDC	732	0.26 %
Interconnection	487	0.17 %
Net Energy	285,958	100.00 %

Maximum Demand Record

Date: 5/24/2022	19,183 MW
Date: 4/13/2023	407,278 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	00:00:00 Hour
Total Set On Bus	15,846 MW
TNB Generation	2,151 MW
IPP Generation	11,679 MW
Spinning Reserve	1,985 MW
Maximum Demand	13,817 MW
Net Energy	285,958 MWH
Load Factor	86.23 %

Fuel Cost

Total Cost:	66,197,256.94 RM
Cost per Unit	23.11 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	869
Hydro	318
Syncon	819
Thermal	796
Total	2,802

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	30
Total TNB	30
CBPS	43
EMPP	284
NPRI	153
PCGP	90
SPGP	208
Total IPP	777
Total Gas	806
Total Gas Required	806

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	13817	13225	12613	12068	11634	11335	11225	11251	10574	10424	10729	10768	10752	10930	11357	11672	11905	12079	11992	12355	13494	13413	13198	13205

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, April 26, 2023 11:27:21 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Saturday

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																											
TIE-PLTG		13	14	23	-26	6	-15	-9	-28	-24	-13	-10	-6	-5	-27	-11	-14	-20	-24	-9	18	-16	-7	6	32	2	-6	-24	-37	-1	-3	-4	-6	-34	-31	-40	-54	-33	-26	1	-21	-20	-31	-4	9	12	-1	3	13			
Interconnection		44	45	54	6	36	15	21	2	8	18	21	25	24	2	20	17	9	5	22	49	15	24	36	62	33	26	7	-6	30	28	26	25	-3	-1	-10	-25	-3	4	32	8	11	0	25	37	43	29	34	45			
System Total		13817	13537	13225	12898	12613	12328	12068	11820	11634	11437	11335	11309	11225	11281	11251	10795	10574	10461	10424	10579	10729	10785	10768	10787	10752	10799	10930	11174	11357	11562	11672	11731	11905	12152	12079	12003	11992	12024	12355	13099	13494	13450	13413	13381	13198	13175	13205	13079			
SRev ST-Coal		481	521	706	794	714	767	730	727	819	821	822	822	823	826	824	825	827	824	825	821	826	825	821	821	824	824	826	824	820	824	820	820	823	821	823	747	715	723	719	712	718	723	714	721	713	721	724				
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	0	0	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		192	233	178	398	477	315	298	392	331	486	492	441	519	492	502	878	1101	1370	1456	1443	1441	1445	1422	1459	1453	1469	1382	1148	978	472	386	367	239	156	197	162	185	155	380	143	166	168	160	179	152	89	54	72			
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	0	0	0	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	0	0	0	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		2	2	2	2	2	2	2	2	2	2	2	0	2	2	2	0	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syncon		1029	1029	1029	1029	1029	1029	1029	1029	878	878	1029	1029	1029	1029	928	1029	1029	1029	1029	1029	1029	878	1029	878	1029	1029	1029	1029	1029	1029	1029	1029	842	842	878	1029	1029	691	439	252	252	252	252	252	252	252	252	252	252		
Hydro		281	366	351	407	341	292	279	269	371	419	288	204	202	205	202	354	176	168	172	169	143	293	168	304	133	143	123	118	128	137	166	159	94	117	198	214	122	100	308	697	584	765	831	839	903	807	685	703			
S.Reserve Total		1985	2151	2266	2630	2563	2405	2338	2419	2401	2606	2633	2496	2574	2551	2559	2986	3133	3396	3481	3466	3434	3442	3444	3462	3436	3465	3358	3124	2959	2458	2405	2375	2182	1938	2058	2127	2083	1999	2102	1998	1714	1903	1966	1984	2028	1861	1712	1751			