

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,050 MW
Distillate	0 MW
Total TNB	2,050 MW
Total IPP	20,321 MW
Total Co-Gen	0 MW
Total System	26,079 MW

Generation Mix

Type	MWh	Percentage
Hydro	10,274	2.52 %
Gas	37,361	9.17 %
Total TNB	47,635	11.70 %
ST-Coal	265,603	65.21 %
LSS	6,543	1.61 %
Gas	86,733	21.30 %
Total IPP	358,879	88.12 %
Co-Gen	521	0.13 %
Total Co-Gen	521	0.13 %
Total Generation	407,035	99.94 %
PLTG	460	0.11 %
HVDC	-703	-0.17 %
Interconnection	-243	-0.06 %
Net Energy	407,278	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:	16:00:00 Hour
Total Set On Bus	20,336 MW
TNB Generation	2,322 MW
IPP Generation	16,638 MW
Spinning Reserve	1,351 MW
Maximum Demand	18,980 MW
Net Energy	407,278 MWH
Load Factor	89.41 %

Fuel Cost

Total Cost:	101,871,092.35 RM
Cost per Unit	25.03 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	368
Hydro	373
Syncon	631
Thermal	218
Total	1,590

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	29
Total TNB	29
CBPS	42
EMPP	264
NPRI	145
PCGP	88
SKSP	21
SPGP	208
Total IPP	769
Total Gas	798
Total Gas Required	798

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	17233	16293	15703	15173	14759	14753	14811	14457	14745	16388	17242	17804	17684	17604	18444	18932	18980	18575	17664	17361	18095	18402	18123	17690

Daily MW Generation on Thursday

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 Co-Gen		29	15	17	21	27	30	17	16	28	26	28	25	20	25	24	28	26	26	22	16	16	23	16	17	18	18	23	25	26	24	23	23	25	24	23	15	14	20	20	17	17	24	23	14	26	23	22	18		
Total Gen		17249	16750	16309	15975	15710	15487	15172	15034	14743	14755	14738	14660	14780	14738	14468	14277	14722	15787	16373	16837	17238	17516	17805	17891	17700	17493	17584	17995	18449	18841	18953	18965	18985	18920	18546	18105	17714	17432	17342	17519	18052	18396	18398	18310	18135	17912	17663	17429		
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	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	
TIE-HVDC		-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-30	-30	-29	-29	-29	-29	-30	-30	-30	-30	-30	-28	-28	-29	-29	-30	-30	-30	-30	-30	-30	-31	-29	-29	-30	-28			
TIE-PLTG		46	25	44	5	36	36	28	2	13	15	13	24	-1	34	41	14	6	1	14	32	26	15	31	35	44	12	9	-7	35	32	50	20	35	-16	0	36	78	23	11	-47	-12	-9	26	14	41	-4	4	12		
Interconnection		16	-5	16	-23	7	7	-1	-27	-16	-15	-15	-4	-31	5	11	-15	-23	-28	-15	2	-4	-15	1	5	16	-17	-20	-36	5	3	21	-11	5	-45	-29	7	50	-7	-19	-77	-43	-39	-4	-16	12	-32	-27	-16		
System Total		17233	16755	16293	15998	15703	15480	15173	15061	14759	14770	14753	14664	14811	14733	14457	14292	14745	15815	16388	16835	17242	17531	17804	17886	17684	17510	17604	18031	18444	18838	18932	18976	18980	18965	18575	18098	17664	17439	17361	17596	18095	18435	18402	18326	18123	17944	17690	17445		
SRev ST-Coal		160	163	205	347	375	356	371	549	640	657	657	621	622	642	670	736	643	675	436	359	358	339	204	244	268	231	220	224	219	202	150	170	134	134	175	201	116	65	160	151	162	141	146	138	169	151	132	141		
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		762	1103	1460	1351	1435	1449	1467	1365	1485	1491	1504	1546	1514	1566	1743	1849	1576	576	324	236	301	397	317	300	553	870	760	358	294	356	327	292	312	244	365	453	627	936	918	859	582	378	370	457	605	784	1033	1010		
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
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
SRev Co-Gen		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
Syncon		777	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	903	903	903	903	752	752	773	924	924	773	716	615	615	428	515	515	782	969	818	969	742	440	374	374	374	374	374	395	798			
Hydro		111	191	198	188	201	195	152	69	111	71	79	149	70	258	160	161	136	137	151	152	156	153	149	283	291	287	158	140	413	470	521	485	477	527	501	294	198	279	152	212	421	485	485	485	493	485	482	348		
S.Reserve Total		1810	2335	2741	2764	2889	2878	2868	2861	3114	3097	3118	3194	3084	3088	3346	3519	3128	2161	1684	1650	1718	1792	1573	1579	1864	2161	2062	1646	1699	1744	1613	1562	1351	1420	1556	1730	1910	2098	2199	1964	1605	1378	1375	1454	1641	1794	2042	2297		