

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,296 MW
Distillate	0 MW
Total TNB	2,296 MW
Total IPP	18,196 MW
Total Co-Gen	0 MW
Total System	23,480 MW

Maximum Demand Record

Date: 5/24/2022	19,183 MW
Date: 5/24/2022	398,523 MWH

Gas Usage

Station	(mmscfd)	Station	(mmscfd)
GLGR	29	Total	0
TJGS	100		
Total TNB	130		
CBPS	46		
EMPP	274		
NPRI	141		
PCGP	85		
SPGP	99		
Total IPP	646		
Total Gas	776		
Total Gas Required	776		

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	17,333 MW
TNB Generation	3,196 MW
IPP Generation	13,285 MW
Spinning Reserve	836 MW
Maximum Demand	16,481 MW
Net Energy	351,028 MWH
Load Factor	88.75 %

Generation Mix

Type	MWh	Percentage
Hydro	17,691	5.04 %
Gas	32,108	9.15 %
Total TNB	49,799	14.19 %
ST-Coal	212,868	60.64 %
LSS	4,698	1.34 %
Gas	82,581	23.53 %
Total IPP	300,147	85.51 %
Co-Gen	537	0.15 %
Total Co-Gen	537	0.15 %
Total Generation	350,483	99.84 %
PLTG	778	0.22 %
HVDC	-1,323	-0.38 %
Interconnection	-545	-0.16 %
Net Energy	351,028	100.00 %

Fuel Cost

Total Cost:	119,665,786.28 RM
Cost per Unit	34.14 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	392
Hydro	625
Syncon	586
Thermal	146
Total	1,749

Time Weather Temperature

Afternoon	Hot	33
Morning	Cloudy	27

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	14091	13460	13107	12680	12493	12399	12683	12989	13094	14306	15031	15495	15353	15056	15891	16251	16430	16167	15412	15459	16220	16060	15474	15027

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, February 8, 2023 10:09:36 AM
 (Ir. Shanmugam Thoppalan)
 Head
 Grid System Operator

Daily MW Generation on Wednesday

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																										
ESTL	ESTL	0	14	16	18	20	0	20	17	16	18	16	12	7	0	0	5	1	5	0	0	0	0	0	0	0	13	0	3	6	12	14	18	12	0	1	0	0	13	15	16	0	0	2	0	12	16	0	0	0	
KHTC	BLK1	4	3	4	4	2	3	3	2	5	3	3	3	4	3	2	2	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	5	4	2	3	5	3	2	3	3	2		
PCUF	CUFG	4	4	3	4	4	4	3	5	4	3	5	3	4	4	4	4	4	4	3	3	2	3	5	4	3	4	3	4	4	3	4	4	3	4	5	4	4	5	4	4	4	4	4	4	3	5				
PCUF	CUFK	3	1	4	4	5	5	5	6	5	5	6	4	5	5	4	3	6	6	5	4	5	5	3	7	4	4	6	5	3	6	5	5	6	6	5	5	5	4	6	5	7	5	6	4	4	5	3	5		
PFTZ	PFTZ	5	5	4	4	4	4	4	4	4	4	5	5	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4		
Total Co-Gen		16	27	31	34	35	16	35	34	34	34	35	26	24	17	15	19	17	22	16	12	13	12	11	17	26	12	18	21	23	30	32	25	14	16	14	13	30	34	35	18	19	19	20	28	31	17	14	16		
Total Gen		14069	13705	13440	13268	13049	12813	12598	12383	12382	12286	12326	12354	12642	12985	12946	12888	13041	13755	14245	14711	14994	15259	15469	15524	15296	15055	15026	15381	15899	16257	16306	16408	16479	16497	16225	15861	15443	15305	15478	15964	16186	16108	16064	15827	15487	15307	15009	14743		
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		
TIE-HVDC		-30	-31	-28	-31	-29	-28	-28	-28	-29	-31	-31	-31	-30	-28	-32	-97	-97	-99	-99	-97	-97	-98	-97	-99	-97	-99	-97	-99	-97	-100	-98	-97	-96	-30	-30	-28	-27	-30	-31	-29	-30	-29	-30	-29	-30	-29				
TIE-PLTG		8	12	8	-20	-29	-25	-53	-33	-82	3	-43	28	-10	31	-15	28	-23	-37	-29	42	61	75	73	57	40	59	68	36	107	76	155	114	146	116	157	131	128	72	49	-1	-7	32	35	-10	43	-25	12	-1		
Interconnection		-22	-19	-20	-51	-58	-53	-82	-61	-111	-26	-73	-3	-41	1	-43	-3	-53	-65	-61	-55	-37	-24	-26	-40	-57	-39	-30	-62	8	-21	55	17	49	16	58	34	31	42	19	-29	-34	2	4	-39	13	-53	-18	-29		
System Total		14091	13724	13460	13319	13107	12866	12680	12444	12493	12312	12399	12357	12683	12984	12989	12891	13094	13820	14306	14766	15031	15283	15495	15564	15353	15094	15056	15443	15891	16278	16251	16391	16430	16481	16167	15827	15412	15263	15459	15993	16220	16106	16060	15866	15474	15360	15027	14772		
SRev ST-Coal		622	741	679	607	522	461	434	424	431	437	428	434	429	439	427	433	422	449	421	135	117	134	115	118	128	122	140	131	135	140	196	127	115	95	164	146	148	130	117	140	148	128	123	122	121	124	141	123		
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		1404	1637	1905	2155	2377	2458	2427	2505	2382	2430	2406	2452	2194	2066	1913	2070	1975	1377	969	890	749	514	477	423	743	1020	1012	685	218	113	224	159	170	193	286	230	288	391	297	164	191	257	272	221	393	532	758	1017		
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		-1	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		525	651	651	651	739	827	928	928	1029	1029	1029	1029	1029	928	928	1029	1029	1029	1029	1029	1029	1029	1029	1029	1029	1029	1029	878	1029	878	502	414	277	126	0	126	401	739	739	552	401	126	126	126	500	739	739	827	827	
Hydro		523	462	518	522	517	499	496	598	512	554	554	554	509	411	585	564	549	509	510	505	508	511	506	509	510	515	662	504	637	732	675	622	539	548	834	710	569	591	678	743	735	767	802	725	703	560	524	551		
S.Reserve Total		3073	3491	3753	3935	4155	4245	4285	4455	4354	4450	4417	4469	4161	3844	3853	4096	3975	3364	2929	2559	2403	2188	2127	2079	2410	2686	2692	2349	1868	1487	1509	1185	950	836	1410	1487	1744	1851	1644	1448	1200	1278	1323	1568	1956	1955	2250	2518		