

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,387 MW
Distillate	0 MW
Total TNB	2,387 MW
Total IPP	17,025 MW
Total Co-Gen	0 MW
Total System	23,259 MW

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:	19:30:00 Hour
Total Set On Bus	17,150 MW
TNB Generation	4,043 MW
IPP Generation	11,847 MW
Spinning Reserve	1,342 MW
Maximum Demand	15,791 MW
Net Energy	331,126 MWH
Load Factor	87.37 %

Gas Usage

Station	(mmscfd)
GLGR	30
TJGS	45
Total TNB	76
CBPS	45
EMPP	270
NPRI	149
PCGP	82
SPGP	202
Total IPP	748
Total Gas	824
Total Gas Required	824

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
Hydro	20,428	6.17 %
Gas	42,571	12.86 %
Total TNB	62,999	19.03 %
ST-Coal	178,831	54.01 %
LSS	6,256	1.89 %
Gas	85,331	25.77 %
Total IPP	270,418	81.67 %
Co-Gen	-1,813	-0.55 %
Total Co-Gen	-1,813	-0.55 %
Total Generation	331,604	100.14 %
PLTG	473	0.14 %
EGAT	5	0.00 %
Interconnection	478	0.14 %
Net Energy	331,126	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	553
Hydro	312
Syncon	679
Thermal	540
Total	2,084

Time Weather Temperature

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	14408	13744	13279	12809	12355	12271	12265	11992	11667	12226	12948	13453	13652	13863	14325	14706	14737	14580	14306	15285	15753	15637	15368	15167

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, December 6, 2023 6:17:49 PM
 (Ir. Shanmugam Thoppalan)
 Head
 Grid System Operator

Daily MW Generation on Monday

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																											
PCUF	CUFG	3	4	4	10	4	4	3	5	4	5	4	4	4	4	3	3	3	3	4	4	4	4	4	3	5	4	4	3	3	3	3	3	3	3	4	3															
PCUF	CUFK	18	29	31	30	30	4	2	4	4	3	4	4	5	4	1	4	3	3	3	4	1	4	1	1	3	3	3	3	3	3	3	3	2	3	2	2	2														
PFTZ	PFTZ	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5														
Total Co-Gen		-56	-45	-47	-36	-44	-69	-73	-69	-70	-66	-71	-69	-71	-70	-76	-72	-74	-77	-77	-79	-87	-84	-87	-93	-91	-90	-96	-91	-88	-85	-84	-78	-80	-82	-80	-84	-81	-83	-80	-82	-83	-84	-82	-71	-65	-73	-75	-74			
Total Gen		14413	14049	13747	13492	13325	13037	12861	12571	12360	12351	12289	12174	12267	12261	12042	11805	11692	11982	12235	12517	12963	13251	13465	13650	13684	13744	13911	14218	14361	14632	14680	14700	14735	14849	14684	14456	14351	14446	15320	15808	15765	15764	15664	15624	15376	15360	15147	14941			
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		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		5	-11	3	13	45	68	52	6	5	-3	18	12	2	35	50	13	24	4	9	-10	14	-5	12	16	32	52	47	60	36	9	-26	-33	-2	76	104	52	45	4	35	16	12	9	27	22	8	1	-20	6			
Interconnection		5	-10	3	14	46	68	52	6	5	-2	18	12	2	35	50	14	25	4	9	-10	15	-5	12	16	32	52	48	60	36	9	-26	-33	-2	76	104	52	45	5	35	17	12	9	27	23	8	1	-20	6			
System Total		14408	14059	13744	13478	13279	12969	12809	12565	12355	12353	12271	12162	12265	12226	11992	11791	11667	11978	12226	12527	12948	13256	13453	13634	13652	13692	13863	14158	14325	14623	14706	14733	14737	14773	14580	14404	14306	14441	15285	15791	15753	15755	15637	15601	15368	15359	15167	14935			
SRev ST-Coal		422	407	540	519	553	527	512	538	544	501	553	526	507	547	526	558	529	507	475	493	493	489	480	481	481	473	466	486	397	415	388	392	402	403	403	407	395	1058	920	914	909	925	618	625	711	892	990				
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		310	517	584	738	1188	1434	1589	1890	2049	2109	2110	2093	2129	2086	2062	1951	2087	1921	1744	1557	1236	998	871	841	913	933	744	470	313	173	196	216	217	172	204	206	188	155	153	166	143	152	155	147	274	203	232	283			
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 Co-Gen		0	1	2	0	0	1	-1	0	-1	0	1	0	0	0	0	0	0	0	-1	0	1	0	0	0	0	0	-1	0	0	0	0	0	0	0	0	0	0	0	0	-1	-2	-1	0	0	0	-2	-1	1	0		
Syncon		0	0	151	764	764	890	1041	1041	1041	1041	1041	1041	1041	1041	890	890	1142	1142	1143	1143	1142	1142	1142	1142	1142	1142	1142	1142	1142	890	739	739	552	365	214	552	552	552	0	0	0	0	88	88	88	88	88	88			
Hydro		641	796	729	382	379	270	244	253	245	243	245	244	243	243	379	381	212	242	195	201	203	184	184	190	191	191	183	193	151	244	335	339	439	455	594	399	402	576	632	258	329	325	320	386	419	412	413	491			
S.Reserve Total		1373	1808	2093	2490	2971	3209	3472	3809	3965	3981	4037	3991	4007	4004	3944	3867	4057	3899	3643	3394	3061	2817	2686	2653	2727	2747	2541	2271	2092	1729	1685	1682	1645	1394	1415	1560	1549	1678	1842	1342	1385	1386	1488	1239	1491	1500	1713	1939			