

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,325 MW
Distillate	0 MW
Total TNB	2,325 MW
Total IPP	16,759 MW
Total Co-Gen	0 MW
Total System	21,411 MW

Maximum Demand Record

Date: 5/11/2023	19,716 MW
Date: 5/11/2023	416,902 MWH

Gas Usage

Station	(mmscfd)
GLGR	51
TJGS	99
Total TNB	150
CBPS	50
EMPP	203
KLPP	74
NPRI	155
PCGP	89
PLPS	78
SGRI	42
SKSP	9
SPGP	103
Total IPP	804
Total Gas	953
Total Gas Required	953

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:30:00 Hour
Total Set On Bus	18,498 MW
TNB Generation	3,379 MW
IPP Generation	14,128 MW
Spinning Reserve	994 MW
Maximum Demand	17,490 MW
Net Energy	378,116 MWH
Load Factor	90.08 %

Generation Mix

Type	MWh	Percentage
Hydro	14,254	3.77 %
Gas	37,242	9.85 %
Total TNB	51,496	13.62 %
ST-Coal	217,597	57.55 %
LSS	5,970	1.58 %
Gas	104,239	27.57 %
Total IPP	327,806	86.69 %
Co-Gen	-500	-0.13 %
Total Co-Gen	-500	-0.13 %
Total Generation	378,802	100.18 %
PLTG	-32	-0.01 %
HVDC	718	0.19 %
Interconnection	686	0.18 %
Net Energy	378,116	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	449
Hydro	368
Syncon	730
Thermal	206
Total	1,753

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	24

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	16978	16217	15645	15052	14477	14213	14104	13826	13329	14522	15354	15898	15897	15644	16154	16605	16732	16514	16031	16210	17407	17401	17051	16861

Prepared By: -Select Name-

Checked By: -Select Name-

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(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				
JMAH	U001	706	708	705	706	705	706	705	706	702	705	706	707	706	707	708	705	707	708	705	706	706	703	706	706	708	705	708	
JMAH	U002	706	707	702	702	705	705	703	706	707	702	703	711	704	699	706	703	712	711	709	703	702	702	704	703	704	704	703	
JMHE	U001	972	974	974	976	973	972	974	884	880	880	880	883	877	881	881	882	881	877	931	969	976	971	971	974	968	974	975	
JMHE	U002	975	978	976	979	975	975	979	881	882	881	881	880	880	879	879	879	881	878	930	961	972	973	975	975	973	976	972	
JMIG	U001	673	675	666	673	672	671	678	668	674	672	673	671	677	672	673	666	671	672	673	671	670	672	675	669	675	677	672	
JMIG	U002	677	679	680	679	682	677	680	678	679	677	682	677	681	677	678	680	681	680	679	683	676	679	679	680	680	678	681	
JMIG	U003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
JMIG	U004	976	979	978	980	977	976	977	940	881	884	879	882	883	884	884	885	881	881	911	958	980	979	977	975	977	974	977	
PKLG	U003	275	276	277	276	276	275	194	184	210	264	278	277	278	274	277	277	275	276	276	277	276	274	276	275	274	216	203	
PKLG	U005	468	469	468	467	466	467	469	468	468	467	467	466	464	467	467	468	467	468	466	468	466	465	468	468	467	464	464	
PKLG	U006	268	264	266	284	368	438	445	449	448	451	451	446	448	451	445	445	449	449	448	451	451	438	446	442	445	444	444	
TBIN	U001	699	696	700	701	702	700	703	701	700	703	700	698	699	700	699	700	696	699	699	698	699	699	701	700	697	700	700	
TBIN	U003	685	685	685	685	685	686	684	684	685	686	687	684	688	685	686	686	686	685	689	683	686	686	684	685	684	685	685	
TBIN	U004	980	980	980	980	980	980	938	883	884	883	882	886	879	883	883	882	880	932	979	977	977	975	976	977	978	978	980	
Total ST-Coal		9060	9070	9057	9088	9166	9228	9171	8887	8802	8859	8865	8864	8866	8858	8864	8858	8868	8865	9049	9204	9249	9223	9233	9227	9221	9178	9158	
Total ST-Oil		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total 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
CBPS	BLK2	361	360	360	360	360	354	222	271	276	220	221	225	254	222	222	222	221	223	221	222	324	360	358	358	357	357	357	
EMPP	BLK2	673	692	707	697	669	662	696	695	681	693	669	696	696	695	662	408	413	646	710	709	715	713	710	714	708	709	685	
EMPP	BLK3	687	705	710	711	684	676	709	709	695	707	684	711	709	709	679	409	411	654	709	708	713	711	710	714	707	710	683	
GLGR	GT01	107	107	82	66	66	65	67	66	65	65	66	66	65	65	66	65	67	67	66	66	85	85	84	83	65	64	65	
GLGR	GT02	107	107	80	65	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	84	84	84	84	84	
GLGR	ST1C	96	97	86	72	70	71	71	71	71	70	70	71	71	71	71	71	71	71	71	71	82	83	83	83	75	71	71	
KLPP	GT13	140	141	111	103	106	114	120	120	120	120	115	120	120	120	120	120	120	120	120	121	120	120	121	120	120	114	119	
KLPP	GT14	157	159	122	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KLPP	GT15	151	149	118	108	109	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KLPP	ST17	212	213	198	177	128	61	63	63	63	61	63	62	63	61	63	62	63	62	63	62	63	63	62	62	63	63	68	
NPRI	BLK1	512	517	519	509	506	521	520	515	519	509	474	467	431	404	326	325	328	343	414	523	516	499	513	470	512	505	512	
NPRI	BLK2	514	521	530	530	511	506	530	529	516	529	448	332	340	332	319	332	334	336	364	496	532	530	530	532	529	523	515	
PCGP	PGRG	586	595	603	604	582	576	601	600	594	603	578	602	610	602	575	599	603	602	605	602	615	612	608	611	601	601	583	
PLPS	GT11	145	145	115	115	112	127	127	129	128	128	129	129	129	128	129	129	129	128	129	129	143	141	141	142	129	127	127	
PLPS	GT12	147	148	120	120	119	102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PLPS	GT13	140	140	112	111	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	92	135		
PLPS	ST18	213	213	197	197	169	133	59	58	59	57	58	57	58	58	58	58	57	58	58	58	60	59	59	59	58	117	144	
SGRI	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SGRI	GT13	105	105	109	105	105	106	108	105	105	106	103	105	110	105	105	105	105	109	109	109	111	133	133	132	132	106	105	
SGRI	ST14	87	65	65	63	64	64	65	65	64	63	63	64	65	63	64	63	62	63	65	66	65	72	71	71	70	64	63	
SKSP	BLK1	292	330	337	336	288	218	274	222	108	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SPGP	BLK1	700	703	712	713	697	691	712	714	707	714	695	710	712	714	696	715	714	715	711	709	700	697	694	715	694	693	681	
TJGS	GT2A	217	217	216	216	217	215	131	132	131	129	131	131	131	131	131	131	131	131	131	131	216	216	216	216	216	216	216	
TJGS	GT2B	214	215	214	215	215	213	129	129	128	129	128	129	129	129	129	129	129	129	129	129	129	213	214	214	214	184	185	
TJGS	ST2C	250	250	250	250	249	249	191	191	191	191	191	191	191	191	191	191	191	191	191	191	252	251	251	251	229	229	230	
Total CCGT-Gas		6813	6894	6673	6502	6100	5775	5462	5455	5284	5171	4984	4942	4986	4893	4742	4203	4209	4701	4862	5059	5324	5663	5628	5675	5583	5452	5346	
Total 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
BSIA	HY01	21	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	12	11	12	12	22	22	22	22	
BSIA	HY02	20	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BSIA	HY03	22	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

