

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,254 MW
Distillate	0 MW
Total TNB	2,254 MW
Total IPP	18,177 MW
Total Co-Gen	0 MW
Total System	24,433 MW

Generation Mix

Type	MWh	Percentage
Hydro	15,531	4.14 %
Gas	41,442	11.05 %
Total TNB	56,973	15.18 %
ST-Coal	225,537	60.11 %
LSS	5,882	1.57 %
Gas	86,133	22.96 %
Total IPP	317,552	84.63 %
Co-Gen	34	0.01 %
Total Co-Gen	34	0.01 %
Total Generation	374,559	99.83 %
PLTG	66	0.02 %
HVDC	-710	-0.19 %
Interconnection	-644	-0.17 %
Net Energy	375,203	100.00 %

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:	16:00:00 Hour
Total Set On Bus	19,303 MW
TNB Generation	2,200 MW
IPP Generation	15,150 MW
Spinning Reserve	1,971 MW
Maximum Demand	17,380 MW
Net Energy	375,203 MWH
Load Factor	89.95 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	753
Hydro	354
Syncon	630
Thermal	222
Total	1,959

Time	Weather	Temperature
Afternoon	Cloudy	31
Morning	Rainy	22

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	41
Total TNB	70
CBPS	40
EMPP	262
NPRI	126
PCGP	81
SGRI	59
SPGP	201
Total IPP	770
Total Gas	840
Total Gas Required	840

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	15306	14557	14067	13636	13334	13198	13526	13753	14193	15626	16389	16650	16398	16024	16797	17253	17380	17049	16218	16294	17257	17124	16580	16147

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, September 11, 2023 2:14:06 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Wednesday

[illegible]

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
KNRG	HY01	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY02	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY03	20	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	39	39	39	39	39	39
KNYR	HY01	96	96	96	96	97	96	96	96	97	97	96	96	96	97	96	95	97	0	0	0	0	0	0	0
KNYR	HY03	98	98	98	98	97	98	98	98	98	97	99	98	99	98	97	98	98	99	99	98	98	99	97	97
KNYR	HY04	98	94	94	82	58	79	98	59	97	60	58	98	98	82	98	98	72	59	60	65	62	87	60	55
LPJA	HY01	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
PGAU	HY01	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	18	-1	-1	-1	-1	81	40	21
PGAU	HY02	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	82	20	21	-1	-1	-1	-1
SIHY	HY01	50	50	49	49	49	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY02	50	50	50	50	50	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY03	50	50	50	50	50	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY01	21	22	22	21	21	14	14	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY03	25	25	25	25	25	17	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY04	25	25	25	25	25	17	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	80	80	80
TMGR	HY02	46	45	46	46	43	45	45	45	46	46	44	46	47	46	45	46	53	45	45	45	45	48	45	86
TMGR	HY03	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY04	80	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	34	34	34
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	108	86	83
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	94	88	86
UPIA	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UPIA	HY02	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Total Hydro		906	720	720	707	681	622	661	602	523	466	461	504	504	498	487	514	523	487	473	527	455	781	746	751
Total Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BKLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BSLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KDLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KMLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KRLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MALS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PKLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNLS	LSS4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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																									
STLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	3	4	8	20	11	18	26	29	13	22	21	28	27	23	20	13	14	9	5	5	2	0	0	0	0	0	0	0	0	0				
TBLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	3	13	15	12	14	18	30	30	30	27	26	15	16	14	7	6	3	2	1	0	0	0	0	0	0	0	0	0	0	0		
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	124	242	291	371	473	590	704	762	870	947	921	899	787	728	668	641	556	385	325	204	142	90	22	7	0	0	0	0	0	0	0	0	0	
ESTL	ESTL	8	0	8	0	2	10	1	4	13	8	3	10	13	16	0	0	2	0	11	11	14	18	5	14	13	11	13	15	9	6	2	10	10	17	10	11	11	10	4	0	0	0	8	10	10	6	8	9	
KHTC	BLK1	-17	-15	-15	-18	-17	-16	-20	-17	-17	-15	-16	-14	-19	-16	-16	-15	-21	-24	-25	-29	-32	-31	-33	-33	-34	-37	-40	-42	-45	-45	-46	-51	-49	-48	-47	-47	-39	-37	-38	-35	-34	-33	-33	-32	-32	-30	-29		
PCUF	CUFG	20	19	20	21	20	19	21	20	20	20	20	21	20	20	21	22	21	20	20	20	20	20	19	19	18	20	18	18	18	18	17	18	18	19	19	19	19	19	18	19	18	18	17	19	20	20			
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	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4				
Total Co-Gen		15	8	17	7	9	17	6	11	20	17	11	21	18	24	8	10	7	1	10	6	6	11	-4	4	2	-4	-3	-5	-13	-17	-22	-19	-18	-9	-15	-13	-5	-4	-11	-12	-12	-10	-3	-1	-1	-3	2	4	
Total Gen		15287	14795	14536	14192	14045	13782	13614	13466	13316	13244	13189	13271	13499	13840	13733	13724	14176	15079	15619	16092	16343	16492	16654	16800	16397	16041	16022	16361	16785	17158	17217	17207	17332	17318	16996	16548	16188	15856	16251	17180	17201	17216	17088	16903	16543	16526	16088	15687	
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		
TIE-HVDC		-29	-31	-30	-28	-31	-29	-29	-28	-31	-28	-31	-28	-29	-28	-30	-28	-31	-30	-31	-30	-30	-30	-30	-30	-30	-29	-30	-29	-30	-28	-30	-30	-30	-30	-30	-29	-29	-29	-28	-31	-28	-31	-29	-31	-28	-31	-30		
TIE-PLTG		10	18	10	-11	9	6	7	12	13	-6	22	28	2	-7	11	4	13	40	23	33	-15	-13	34	75	29	25	28	29	19	12	-6	-24	-18	-20	-23	-16	-2	-26	-14	-33	-26	-20	-5	-19	-6	-30	-29	-9	
Interconnection		-19	-13	-21	-39	-22	-23	-22	-16	-18	-34	-9	-1	-27	-35	-20	-23	-17	10	-7	3	-46	-44	4	45	-1	-5	-2	0	-12	-17	-36	-52	-48	-50	-53	-46	-30	-54	-43	-61	-56	-48	-36	-48	-37	-59	-59	-39	
System Total		15306	14808	14557	14231	14067	13805	13636	13482	13334	13278	13198	13272	13526	13875	13753	13747	14193	15069	15626	16089	16389	16536	16650	16755	16398	16046	16024	16361	16797	17175	17253	17259	17380	17368	17049	16594	16218	15910	16294	17241	17257	17264	17124	16951	16580	16585	16147	15726	
SRev ST-Coal		257	413	551	436	484	440	546	534	541	534	530	515	538	712	729	723	544	505	349	249	219	217	218	228	403	345	441	338	219	208	194	208	180	183	248	256	162	232	148	229	193	161	244	143	165	158	290	201	
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		
SRev CCGT-Gas		1591	1684	1807	1937	1993	2054	2152	2296	2377	2396	2575	2567	2309	1798	1855	1933	1766	1061	836	694	786	670	711	994	1259	1895	2071	1857	1432	994	875	871	690	605	588	743	973	1283	710	313	422	414	458	442	580	449	701	746	
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		
SRev Co-Gen		1	0	0	0	-2	0	0	0	-2	0	-1	0	0	0	-2	0	-1	-3	0	-2	0	1	1	0	0	-2	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	-2	0	0	0	0	1	0
Syncon		890	978	978	978	978	978	827	978	827	978	978	978	978	978	978	978	978	978	978	978	978	827	552	552	552	890	890	890	890	890	890	890	890	588	588	651	802	890	890	890	151	151	151	151	338	464	890	890	739
Hydro		277	160	160	173	199	258	370	278	283	189	194	151	151	157	168	141	132	168	182	178	301	250	285	280	241	242	187	141	141	154	138	124	426	460	392	267	269	220	197	446	556	583	591	493	432	179	250	343	
S.Reserve Total		3016	3235	3496	3524	3652	3730	3895	4084	4028	4096	4276	4211	3976	3643	3730	3774	3417	2712	2343	2099	2134	1690	1766	2054	2791	3372	3677	3313	2769	2333	2184	2180	1971	1923	1880	2068	2294	2625	1945	1139	1322	1307	1444	1416	1641	1676	2132	2116	