

Daily System Generation Summary on Saturday

Saturday, December 3, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,458 MW
Distillate	0 MW
Total TNB	2,458 MW
Total IPP	18,703 MW
Total Co-Gen	0 MW
Total System	24,542 MW

Generation Mix

Type	MWh	Percentage
Hydro	20,021	6.02 %
Gas	45,686	13.73 %
Total TNB	65,707	19.74 %
ST-Coal	170,363	51.19 %
LSS	3,729	1.12 %
Gas	92,014	27.65 %
Total IPP	266,106	79.95 %
Co-Gen	1,285	0.39 %
Total Co-Gen	1,285	0.39 %
Total Generation	333,098	100.08 %
PLTG	-472	-0.14 %
HVDC	733	0.22 %
Interconnection	261	0.08 %
Net Energy	332,837	100.00 %

Maximum Demand Record

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

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	19:30:00 Hour
Total Set On Bus	18,150 MW
TNB Generation	3,552 MW
IPP Generation	12,066 MW
Spinning Reserve	2,474 MW
Maximum Demand	15,672 MW
Net Energy	332,837 MWH
Load Factor	88.49 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,390
Hydro	493
Syncon	851
Thermal	464
Total	3,198

Time	Weather	Temperature
Afternoon	Cloudy	31
Morning	Rainy	23

Gas Usage

Station	(mmcsfd)
TJGS	86
Total TNB	86

CBPS	40
EMPP	291
NPRI	130
PCGP	89
PLPS	51
SPGP	209
Total IPP	811
Total Gas	897

Total Gas Required	897
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Alternate Fuel Usage

Station	(mmcsfd)
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	14200	13416	12966	12595	12322	12199	12234	12257	12215	13201	13997	14372	14266	14138	14446	14582	14791	14609	14399	15086	15541	15259	14886	14488

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, January 4, 2023 8:12:18 AM

(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	216	217	215	216	216	217	216	216	216	216	216	216	216	215	215	216	215	216	216	216	216	216	216	216	216
JMAH	U002	215	214	215	213	213	213	214	214	214	213	213	214	213	213	213	213	215	418	655	706	704	704	709	706	706
JMHE	U001	979	980	898	803	799	799	802	798	799	802	799	801	800	801	802	801	798	802	900	900	903	901	900	899	901
JMHE	U002	979	978	900	776	800	802	801	801	801	800	800	801	799	801	800	801	802	802	901	901	902	899	900	896	902
JMJG	U002	675	673	676	675	673	673	674	675	672	676	673	676	671	674	673	673	679	677	674	674	675	672	674	677	672
JMJG	U003	672	673	667	673	671	673	669	673	668	671	671	672	669	671	667	672	672	666	672	675	670	672	670	672	668
JMJG	U005	975	936	898	804	800	800	801	800	800	801	801	801	800	800	800	799	803	801	892	900	898	899	900	897	897
PKLG	U004	154	156	151	147	148	153	151	158	157	162	156	159	156	156	155	157	154	156	155	155	156	157	156	157	153
PKLG	U005	267	269	268	268	268	268	269	268	268	270	271	268	271	268	268	269	268	268	271	269	268	270	270	272	269
PKLG	U006	268	268	269	269	268	269	268	268	268	269	268	268	269	268	269	269	269	269	272	269	256	249	266	327	401
TBIN	U001	212	211	211	212	212	212	212	212	213	212	211	212	212	212	212	212	266	367	590	703	699	690	695	695	697
TBIN	U002	703	702	699	700	705	581	308	210	216	215	214	214	214	215	214	214	215	268	391	578	687	701	702	702	702
TBIN	U003	213	212	213	214	212	212	213	212	211	214	212	212	212	213	213	213	213	214	213	230	337	504	666	607	455
Total ST-Coal		6528	6489	6280	5970	5985	5872	5598	5506	5503	5521	5506	5513	5500	5508	5502	5506	5513	5565	6008	6367	6684	7095	7506	7708	7640
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
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
CBPS	BLK2	361	363	359	361	361	358	360	363	217	201	202	201	201	201	373	363	362	326	198	192	198	201	201	201	202
EMPP	BLK1	709	713	708	710	709	709	709	709	711	710	709	710	710	714	710	711	710	728	712	710	711	709	699	624	412
EMPP	BLK2	709	713	708	710	709	709	709	710	710	709	709	710	710	714	710	709	710	728	712	710	711	708	699	707	666
EMPP	BLK3	709	712	709	710	710	709	710	710	709	710	709	709	709	713	709	710	710	728	712	710	711	708	699	706	710
NPRI	BLK1	525	529	522	526	525	521	526	524	524	530	526	524	526	529	524	526	526	539	527	525	518	394	297	306	311
NPRI	BLK2	511	527	505	524	523	509	523	525	522	460	397	349	496	530	504	333	381	542	445	527	518	394	307	312	318
PCGP	PGRG	603	610	597	604	601	595	601	603	603	602	602	603	601	609	603	602	603	633	604	602	606	593	575	591	601
PLPS	GT11	133	133	133	112	62	62	62	62	61	61	62	62	62	62	61	61	62	62	62	62	61	61	62	61	62
PLPS	GT12	140	141	140	118	68	69	69	69	68	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69
PLPS	ST18	141	141	141	133	95	93	91	91	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92
SPGP	BLK1	711	717	709	713	714	708	714	713	712	715	712	717	718	713	719	714	715	713	731	716	711	715	708	697	705
SPGP	BLK2	714	720	713	717	717	712	718	715	716	717	717	717	718	721	718	716	717	735	719	715	718	711	701	708	715
TJGS	GT1A	220	150	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130
TJGS	ST1C	124	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
TJGS	GT2A	189	189	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170
TJGS	GT2B	184	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TJGS	ST2C	229	150	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
Total CCGT-Gas		6912	6688	6404	6398	6254	6214	6252	6254	6105	6033	5969	5919	6067	6136	6076	5906	5953	6420	6193	6255	6216	5805	5550	5542	5329
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
BSIA	HY01	22	23	23	23	23	23	23	13	13	12	13	12	12	13	13	13	13	13	13	13	13	13	13	13	13
BSIA	HY02	13	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	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CEND	HY01	10	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
CEND	HY02	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY03	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY04	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
HTRG	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
HTRG	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
HTRG	HY03	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
KNRG	HY01	35	35	35	35	35	35	35	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
KNRG	HY02	36	36	36	37	36	36	37	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23

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
KNRG	HY03	37	37	37	37	37	37	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
KNYR	HY01	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
KNYR	HY02	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101
KNYR	HY03	99	99	98	98	97	96	96	96	96	96	97	98	99	99	99	98	98	97	96	96	95	95	96	99
KNYR	HY04	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101
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	19	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1
PGAU	HY02	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	21	21	21	21	21	21	21	22	21	22	21	21	21	21	21	21	21	21	21	21	21	21	21	21
PGAU	HY04	21	21	21	21	21	21	22	21	21	22	22	22	21	21	21	21	21	21	21	21	21	21	21	21
SIHY	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
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	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
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY01	34	0	0	0	0	0	0	0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	83	43	41	41	40	32	41	41	41
TMGR	HY04	42	83	59	81	63	43	76	76	71	83	83	76	77	83	83	50	61	83	84	51	-1	-1	-1	-1
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	92	92	-1	88	-1	-1	-1	-1	-1	-1
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	91	85	-1	-1	-1	-1	-1	-1	-1	-1
UPIA	HY01	5	5	5	5	6	5	6	6	5	5	6	5	5	6	5	5	6	5	6	5	5	5	5	5
UPIA	HY02	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Total Hydro		724	704	680	723	684	662	698	645	660	649	653	668	647	653	655	623	633	656	749	747	652	792	722	638
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	1	2	4	5	8	11	11	12	24	16	15	25
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	9	20	16	9	13	7	4	4
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	3	5	8	11	20	19	14	12	11	12	15
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	7	9	17	21	22	42	29	35	44	40	14
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	11	12	13	30	29	31	21	30	28	25
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	4	4	6	7	31	19	22	19	16	17	18
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	3	15	11	12	12	9	10	11	14
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	5	9	17	19	20	21	32	25	31	33	26
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	4	10	13	22	31	52	56	40	34	32	33	43
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	5	7	9	15	22	33	21	22	18	19	21
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	4	4	6	9	12	20	13	11	10	10	12
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	5	6	8	5	13	15	28	29	28	22	22
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	4	9	15	17	19	15	19	27	31	22	31
MNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	5	10	30	26	28	25	34	51	51	44	56
PKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	8	19	24	34	59	80	63	112	112	95	111	111
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	5	8	12	20	29	36	44	52	52	48	19
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	4	6	11	15	21	23	21	40	26
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	7	12	15	17	15	15	24	17	17	17
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	6	6	20	21	30	16	17	13	19
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	8	44	100	156	234	330	446	540	484	562	571	479
ESTL	ESTL	19	19	21	20	20	21	20	21	23	23	21	23	23	20	26	23	19	17	20	24	23	22	23	22

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	
PCUF	CUFG	17	28	28	27	30	28	29	29	29	29	29	29	28	29	28	29	29	28	28	28	28	28	29	29	28	29	27	28	28	29	29	29	28	29	29	29	28	29	27	29	28	28	29	28	29			
PCUF	CUFK	5	3	5	4	4	3	4	3	4	3	3	3	4	2	3	4	4	4	3	4	4	3	4	3	7	15	14	2	6	3	4	4	5	2	3	5	3	5	4	4	4	3	5	2	4	14	6	5
Total Co-Gen		41	50	54	51	54	52	53	53	56	55	53	55	55	51	57	56	51	50	52	56	55	53	55	53	57	67	65	50	57	52	52	53	54	51	57	59	57	56	55	58	59	52	45	41	52	56	48	49
Total Gen		14205	13931	13418	13142	12977	12800	12601	12458	12324	12258	12181	12155	12269	12348	12290	12099	12194	12791	13158	13659	13937	14191	14373	14425	14247	14176	14162	14423	14458	14631	14540	14652	14785	14876	14650	14504	14437	14507	15096	15676	15585	15412	15288	15181	14928	14753	14537	14242
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		
TIE-HVDC		30	30	30	30	30	30	31	31	30	31	31	29	31	31	31	31	31	31	31	31	31	31	31	30	30	31	31	31	31	31	31	31	31	31	30	30	30	30	31	32	29	29	29	31	31	31		
TIE-PLTG		-25	-69	-28	-13	-19	-10	-25	4	-28	-4	-48	-32	6	3	2	-12	-52	-91	-75	-56	-92	-59	-29	-14	-48	3	-7	58	-19	-36	-74	-36	-37	11	11	-11	8	-35	-20	-25	13	4	0	41	13	-7	18	0
Interconnection		5	-40	2	17	11	20	6	35	2	26	-18	-2	35	34	33	19	-21	-60	-43	-25	-60	-28	1	17	-19	33	24	89	12	-5	-42	-5	-6	41	41	20	38	-5	10	4	44	35	29	70	42	24	49	30
System Total		14200	13971	13416	13125	12966	12780	12595	12423	12322	12232	12199	12157	12234	12314	12257	12080	12215	12851	13201	13684	13997	14219	14372	14408	14266	14143	14138	14334	14446	14636	14582	14657	14791	14835	14609	14484	14399	14512	15086	15672	15541	15377	15259	15111	14886	14729	14488	14212
SRev ST-Coal		495	536	738	732	731	803	807	798	810	804	806	802	811	803	811	803	798	810	803	800	725	678	648	551	595	511	544	549	433	489	476	473	460	463	385	375	374	374	359	183	116	122	112	109	105	149	363	408
SRev CCGT-Gas		337	561	491	497	641	681	643	641	790	862	926	976	828	759	819	989	942	535	702	640	679	1090	1345	1353	1566	1518	1584	1505	1758	1568	1551	1468	1355	1368	1596	1656	1552	1468	1403	1498	1675	1532	1661	1559	1692	1732	1489	1715
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	
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 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 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	
Syncon		1016	1016	1016	865	1016	1016	1016	1016	865	1104	1016	865	1016	1016	1016	1016	1104	1104	829	741	1016	642	829	1016	865	1016	865	1104	1016	1104	1104	917	642	642	730	642	829	766	642	554	554	554	554	741	928	777	928	928
Hydro		403	288	312	420	308	330	294	347	483	342	339	475	345	339	337	369	358	335	430	520	340	574	497	394	524	426	514	381	382	339	340	430	520	300	540	599	508	636	532	239	244	547	545	511	459	685	501	500
S.Reserve Total		2251	2488	2644	2601	2783	2917	2847	2889	3035	3112	3174	3205	3087	3004	3070	3264	3202	2784	2851	2788	2847	3071	3406	3401	3637	3558	3594	3539	3676	3500	3471	3288	3064	2860	3251	3359	3350	3244	2936	2474	2589	2755	2872	2920	3184	3343	3368	3638