

Daily System Generation Summary on Friday

Friday, March 17, 2023

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	1,760 MW
Distillate	0 MW
Total TNB	1,760 MW
Total IPP	17,712 MW
Total Co-Gen	0 MW
Total System	23,180 MW

Generation Mix

Type	MWh	Percentage
Hydro	12,117	3.22 %
Gas	60,917	16.18 %
Total TNB	73,034	19.40 %
ST-Coal	201,707	53.58 %
LSS	7,244	1.92 %
Gas	93,349	24.80 %
Total IPP	302,300	80.30 %
Co-Gen	772	0.21 %
Total Co-Gen	772	0.21 %
Total Generation	376,106	99.90 %
PLTG	416	0.11 %
EGAT	6	0.00 %
HVDC	-788	-0.21 %
Interconnection	-366	-0.10 %
Net Energy	376,472	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:	16:30:00 Hour
Total Set On Bus	18,882 MW
TNB Generation	4,002 MW
IPP Generation	13,688 MW
Spinning Reserve	1,154 MW
Maximum Demand	17,685 MW
Net Energy	376,472 MWH
Load Factor	88.70 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	804
Hydro	446
Syncon	438
Thermal	209
Total	1,897

Time Weather Temperature

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	172
Total TNB	201
EMPP	280
NPRI	134
PCGP	83
PLPS	36
SGRI	40
SKSP	48
SPGP	203
Total IPP	824
Total Gas	1,025
Total Gas Required	1,025

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	15830	14983	14612	14002	13612	13348	13357	13449	13665	15140	15910	16323	16416	16139	16435	17369	17619	17398	16378	16278	17323	17234	16774	16474

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, April 4, 2023 9:39:47 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Friday

[illegible]

Daily MW Generation on Friday

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
HTRG	HY03	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
HTRG	HY04	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
KNRG	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
KNRG	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
KNRG	HY03	37	37	37	37	37	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
KNYR	HY01	59	100	100	100	100	100	60	60	60	60	60	59	59	60	60	59	59	60	60	60	60	96	60	60
KNYR	HY02	64	0	0	0	0	0	0	0	-1	-1	-1	61	60	60	61	61	61	61	61	61	98	98	99	69
KNYR	HY03	54	54	55	55	55	55	54	54	55	55	54	55	55	0	0	0	0	0	0	0	54	96	97	97
KNYR	HY04	60	60	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
LPJA	HY02	22	22	22	22	22	22	22	22	22	22	22	22	22	16	0	0	0	0	0	0	0	0	0	0
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	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	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	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
TMGR	HY03	32	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	45	42	41	41	43	41	41	42	53	43	41	43	42	41	41	42	53	42	56	44	65	41	38	41
UJLI	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
UJLI	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
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	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		457	376	377	377	377	364	320	320	308	308	319	309	369	317	316	316	315	315	326	311	309	296	319	353
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	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
BSLS	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
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	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
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	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
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	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
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	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
KNLS	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
KRLS	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
MALS	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
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	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
PKLS	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
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 Friday

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	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	3	12	14	6	16	10	19	19	13	16	20	23	19	18	13	6	7	6	3	1	0	0	0	0	0	0	0	0	0	0	0	
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	6	17	4	30	30	30	30	30	30	21	30	30	30	30	30	30	30	22	13	7	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	0	8	103	238	406	536	719	782	880	918	970	970	990	929	887	813	868	801	624	578	585	415	272	161	47	0	0	0	0	0	0	0	0	0	0	0
ESTL	ESTL	18	13	11	14	12	13	13	17	19	19	18	22	23	19	18	15	14	15	17	20	20	17	17	16	22	21	16	16	17	13	21	25	23	22	26	25	21	17	14	15	13	11	13	15	17	18	17	19		
KHTC	BLK1	0	0	0	0	1	3	2	5	3	2	3	3	5	4	4	4	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PCUF	CUFG	4	4	3	3	3	4	4	3	3	4	4	4	4	3	4	4	5	5	6	3	4	3	5	3	4	4	3	4	4	3	5	4	3	4	3	4	3	3	4	2	4	4	4	5	4	5	3			
PCUF	CUFK	3	3	3	3	2	3	4	2	3	3	2	3	3	2	2	2	5	3	3	2	4	2	3	2	3	3	3	4	3	3	7	8	8	7	8	7	6	6	9	6	9	8	7	8	7	8	8	8		
PFTZ	PFTZ	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	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			
Total Co-Gen		31	26	23	26	24	29	29	33	34	34	33	38	41	34	34	31	33	32	32	31	34	28	30	26	34	33	27	29	29	24	38	42	39	38	42	41	35	31	32	28	31	28	29	32	34	35	35	35		
Total Gen		15832	15395	14952	14729	14614	14192	13974	13758	13603	13360	13293	13280	13310	13469	13397	13426	13642	14435	15059	15539	15845	16107	16263	16480	16381	16212	16113	16285	16415	16875	17339	17571	17674	17728	17453	17023	16462	16267	16294	16987	17370	17376	17234	16967	16746	16611	16493	16252		
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		0	-29	-28	-29	-28	-31	-30	-29	-29	-29	-30	-29	-30	-30	-29	-29	-29	-29	-29	-28	-28	-30	-30	-31	-31	-31	-31	-29	-50	-48	-49	-49	-50	-49	-49	-48	-48	-50	-31	-30	-31	-28	-30	-28	-30	-29	-29			
TIE-PLTG		2	-4	-3	-3	30	-5	2	-8	20	11	-26	-34	-17	-12	-23	14	6	-19	-52	-25	-37	-84	-30	0	-4	12	5	-9	9	24	18	60	103	92	103	105	132	131	66	53	77	20	28	-30	0	59	47	29		
Interconnection		2	-32	-31	-31	2	-33	-28	-38	-9	-18	-55	-63	-47	-41	-52	-16	-23	-48	-81	-54	-65	-112	-60	-30	-35	-18	-26	-39	-20	-26	-30	11	55	43	55	57	84	83	16	23	47	-11	0	-60	-28	29	19	1		
System Total		15830	15427	14983	14760	14612	14225	14002	13796	13612	13378	13348	13343	13357	13510	13449	13442	13665	14483	15140	15593	15910	16219	16323	16510	16416	16230	16139	16324	16435	16901	17369	17560	17619	17685	17398	16966	16378	16184	16278	16964	17323	17387	17234	17027	16774	16582	16474	16251		
SRev ST-Coal		204	194	200	393	430	560	553	563	556	562	608	557	553	569	564	560	549	566	543	258	194	182	181	195	185	193	175	191	189	188	185	194	172	189	203	193	193	201	181	199	199	178	193	175	179	192	205	191		
SRev CCGT-Gas		953	1314	1749	1782	1856	1912	2068	2277	2428	2675	2685	2663	2699	2486	2636	2615	2507	1832	1584	1597	1526	1331	1263	1089	1292	1447	1579	1337	1164	802	456	297	285	284	353	267	751	869	812	406	407	354	362	392	438	301	425	576		
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		
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		
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		
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	0		
Syncon		626	626	626	626	626	626	626	626	727	727	727	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	439	439	252	252	252	252	626	626	626	626	253	126	126	126	439	626	626	626	727		
Hydro		291	161	160	160	160	188	232	232	229	228	217	227	268	220	221	221	221	222	222	211	226	203	216	193	259	264	263	258	261	272	226	368	546	429	524	426	343	341	310	601	411	476	502	447	433	352	343	330		
S.Reserve Total		2161	2469	2909	3135	3246	3460	3653	3872	4013	4366	4411	4348	4320	4075	4221	4196	4077	3420	3149	2866	2746	2541	2485	2277	2536	2704	2817	2586	2414	1875	1480	1285	1255	1154	1419	1599	2087	2211	2103	1459	1143	1134	1183	1453	1676	1471	1599	1824		