

Daily System Generation Summary on Thursday

Thursday, March 2, 2023

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,223 MW
Distillate	0 MW
Total TNB	2,223 MW
Total IPP	18,192 MW
Total Co-Gen	0 MW
Total System	23,403 MW

Generation Mix

Type	MWh	Percentage
Hydro	16,752	4.81 %
Gas	46,561	13.37 %
Total TNB	63,313	18.18 %
ST-Coal	198,805	57.10 %
LSS	4,487	1.29 %
Gas	80,078	23.00 %
Total IPP	283,370	81.39 %
Co-Gen	765	0.22 %
Total Co-Gen	765	0.22 %
Total Generation	347,448	99.79 %
PLTG	952	0.27 %
HVDC	-1,676	-0.48 %
Interconnection	-724	-0.21 %
Net Energy	348,172	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:	15:30:00 Hour
Total Set On Bus	18,610 MW
TNB Generation	3,561 MW
IPP Generation	12,920 MW
Spinning Reserve	2,095 MW
Maximum Demand	16,528 MW
Net Energy	348,172 MWH
Load Factor	87.77 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	398
Hydro	590
Syncon	457
Thermal	1,026
Total	2,471

Time	Weather	Temperature
Afternoon	Cloudy	29
Morning	Rainy	22

Gas Usage

Station	(mmscfd)
GLGR	30
TJGS	183
Total TNB	212
EMPP	280
NPRI	144
PCGP	84
SPGP	103
Total IPP	611
Total Gas	824
Total Gas Required	824

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	13531	12776	12537	12222	12021	11924	12201	12631	13134	14496	15269	15662	15500	15452	16073	16383	16456	16293	15512	15458	16038	15807	15143	14697

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, March 15, 2023 4:21:15 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

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	217	213	217	217	215	216	218	217	217	216	215	216	214	214	216	216	213	215	210	215	215	215	214	213	215	215	215	216	214	213	214	212	214	214	328	511	504	0	0	0	0	0	0	0	0	0	0	0	
JMHE	U001	898	893	800	800	800	801	801	800	801	799	798	801	801	801	800	803	817	926	978	980	980	981	979	981	978	983	979	985	977	978	981	980	981	980	980	980	980	978	982	980	981	978	980	984	982	977	899	899	903
JMHE	U002	901	895	803	800	797	802	799	801	799	800	799	801	801	800	799	801	807	933	975	978	983	981	976	984	979	984	979	981	977	979	979	982	982	980	979	981	977	978	978	980	978	979	977	975	976	898	897	901	
JMJG	U001	672	673	669	672	672	668	671	672	671	676	673	671	671	668	672	673	672	674	671	672	671	667	667	673	676	672	667	672	671	661	666	667	650	651	647	587	541	624	646	647	645	647	645	649	647	647	645	676	
JMJG	U002	673	674	677	673	672	674	675	675	674	677	673	672	675	678	678	674	673	674	672	676	672	667	673	678	677	642	667	665	671	663	676	670	673	673	635	556	553	601	673	678	607	677	671	674	673	672	673	680	
JMJG	U003	675	669	676	667	669	671	671	668	671	673	671	671	672	668	676	671	649	669	671	673	668	661	667	671	668	674	673	667	668	677	671	672	673	671	626	547	586	677	673	668	671	671	673	667	673	670	671	672	
JMJG	U004	911	898	853	805	804	803	799	799	796	798	797	800	795	795	795	794	795	849	907	972	981	983	983	979	979	982	981	982	980	982	983	985	873	833	758	758	757	759	749	749	779	854	901	928	985	983	949	906	
JMJG	U005	901	902	801	794	796	799	800	800	799	801	799	801	799	801	800	804	808	909	983	981	977	979	977	983	980	976	979	978	872	801	739	705	752	725	724	726	725	738	737	751	748	750	749	752	766	787	801	797	
PKLG	U003	157	155	155	155	156	156	154	150	151	149	151	151	150	151	150	151	149	178	267	278	276	275	279	278	279	278	278	274	279	279	277	277	278	278	278	278	278	276	278	280	278	277	279	278	279	279	187		
PKLG	U004	149	149	148	147	149	146	148	146	147	148	149	148	147	148	147	146	158	252	261	275</																													

Daily MW Generation on Thursday

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
KNYR	HY02	61	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
KNYR	HY03	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
KNYR	HY04	59	60	60	60	60	60	60	59	60	59	60	60	59	59	59	60	60	60	60	60	60	60	60	59
LPIA	HY01	20	20	20	20	20	20	20	20	20	20	20	20	19	19	19	19	16	12	16	17	17	18	20	20
LPIA	HY02	20	20	20	20	20	20	20	20	20	20	20	20	19	19	19	19	16	16	18	18	18	18	19	19
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	81	21	21	21	21	21	21	21	21	21	21	21	21	21	111	111	111	21	21	21	111	111	149	150
PGAU	HY02	83	21	21	21	21	21	21	21	21	21	21	21	21	21	66	113	21	21	21	113	113	147	147	146
PGAU	HY04	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	22	21	21	21	110	144	144	144	148
SIHY	HY01	51	51	51	51	51	51	51	51	51	51	51	51	0	0	0	0	0	0	0	0	31	31	31	31
SIHY	HY02	50	50	50	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	30	30	30	30
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30
SYPS	HY01	25	25	25	16	16	16	16	16	16	16	16	16	0	0	0	0	0	0	0	0	17	17	17	17
SYPS	HY03	25	25	25	16	16	16	16	16	16	16	16	16	0	0	0	0	0	0	0	0	17	17	17	17
SYPS	HY04	25	25	25	16	16	16	16	16	16	16	16	16	0	0	0	0	0	0	0	0	17	17	17	17
TMGR	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
TMGR	HY04	40	39	77	84	81	73	49	49	49	49	49	49	44	82	40	40	73	83	40	41	41	42	71	43
UJLI	HY01	86	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	92	149	146	146	88
UJLI	HY02	87	-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	6	6	6	6	6	6	6	6	6	6	6	6	2	2	2	2	2	2	3	0	0	0	4	4
UPIA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	0	0	4	4	4	4
Total Hydro		940	642	620	600	598	592	569	569	608	592	591	592	594	601	451	423	392	432	386	387	420	579	601	477
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
STLS	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
TBLS	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
Total 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
ESTL	ESTL	15	19	19	18	17	20	20	16	17	20	15	18	21	20	19	23	18	17	19	17	15	13	19	17

Daily MW Generation on Thursday

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	
KHTC	BLK1	1	4	2	3	0	3	3	4	3	4	2	2	4	2	2	4	1	2	2	2	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	2	3	5
PCUF	CUFG	5	4	4	3	4	4	5	4	4	4	5	4	3	3	3	3	4	3	3	3	3	4	4	3	5	3	5	2	3	3	3	3	3	4	3	3	3	5	4	4	4	4	4	4	4	2		
PCUF	CUFK	3	3	2	2	3	2	3	2	5	3	2	3	0	2	3	4	2	0	3	3	4	4	2	5	3	4	5	4	1	2	3	3	4	4	2	3	2	3	3	4	3	1	3	4	3	3	1	3
PFTZ	PFTZ	5	5	5	5	5	5	5	5	5	5	5	4	4	2	1	1	1	2	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	5	6	6	6	
Total Co-Gen		29	35	32	31	29	34	36	31	34	36	29	31	32	29	28	35	26	24	32	30	30	28	30	31	33	36	36	38	31	27	33	34	35	34	28	27	33	23	30	33	35	32	36	38	41	34	30	32
Total Gen		13468	13125	12714	12562	12505	12336	12155	12106	11967	11953	11913	12009	12199	12425	12584	12887	13117	14071	14509	14881	15172	15454	15639	15704	15465	15361	15407	15774	16137	16410	16434	16515	16421	16422	16258	15886	15512	15461	15439	15942	16096	16002	15800	15471	15148	14936	14621	14366
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		-31	-31	-28	-31	-28	-31	-28	-28	-30	-28	-31	-31	-28	-30	-31	-68	-98	-98	-100	-100	-97	-99	-98	-100	-96	-100	-97	-97	-100	-99	-100	-99	-97	-97	-100	-97	-97	-99	-97	-99	-98	-100	-97	-96	-70	-29	-29	-29
TIE-PLTG		-33	-18	-34	-46	-4	-16	-39	-33	-23	-10	17	24	28	12	-17	-3	51	124	111	20	3	-14	76	86	65	45	55	83	161	150	150	87	64	65	65	92	97	46	77	114	156	107	91	11	75	-105	-48	-63
Interconnection		-63	-48	-62	-77	-32	-47	-67	-61	-54	-38	-11	-6	-2	-16	-47	-33	-17	26	13	-79	-97	-111	-23	-12	-35	-51	-45	-15	64	50	51	-13	-35	-32	-35	-5	0	-53	-19	15	58	7	-7	-86	5	-134	-76	-92
System Total		13531	13173	12776	12639	12537	12383	12222	12167	12021	11991	11924	12015	12201	12441	12631	12920	13134	14045	14496	14960	15269	15565	15662	15716	15500	15412	15452	15789	16073	16360	16383	16528	16456	16454	16293	15891	15512	15514	15458	15927	16038	15995	15807	15557	15143	15070	14697	14458
SRev ST-Coal		1741	1713	1713	1728	1723	1723	1716	1722	1727	1719	1726	1723	1729	1733	1717	1721	1750	1657	1403	1319	1263	1257	1261	1232	1248	1286	1259	1265	1276	1343	1244	1190	884	717	937	636	783	711	592	540	539	463	518	625	775	1134	1406	1521
SRev CCGT-Gas		1653	1709	1733	1763	1815	1988	2157	2183	2365	2368	2395	2309	2110	1883	1614	1270	1012	715	834	735	659	590	609	544	640	744	673	461	222	192	225	216	254	224	272	302	327	221	298	212	215	209	289	200	437	315	339	271
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	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		214	588	689	689	689	689	689	689	689	689	689	689	689	689	689	689	689	689	689	689	689	689	689	689	689	689	689	689	502	315	315	189	189	315	227	414	502	214	214	214	214	214	588	588	588	588	689	
Hydro		721	645	566	586	588	594	617	617	618	634	635	634	632	625	600	588	619	579	625	624	591	432	434	534	619	591	556	485	486	305	319	413	533	470	403	313	567	636	668	396	306	529	710	599	638	602	618	600
S.Reserve Total		4416	4742	4788	4853	4902	5081	5266	5298	5486	5497	5532	5442	5247	5017	4707	4355	4157	3727	3638	3454	3289	3055	3080	3086	3283	3397	3264	2987	2573	2242	2190	2095	1947	1813	1926	1752	2266	1869	1859	1449	1361	1502	1818	2099	2525	2726	3038	3168