

Daily System Generation Summary on Saturday

Saturday, September 10, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,169 MW
Distillate	0 MW
Total TNB	2,169 MW
Total IPP	20,484 MW
Total Co-Gen	0 MW
Total System	25,237 MW

Generation Mix

Type	MWh	Percentage
Hydro	21,174	6.09 %
Gas	51,167	14.73 %
Total TNB	72,341	20.82 %
ST-Coal	164,836	47.44 %
ST-Gas	6,558	1.89 %
LSS	5,107	1.47 %
Gas	98,081	28.23 %
Total IPP	274,582	79.03 %
Co-Gen	922	0.27 %
Total Co-Gen	922	0.27 %
Total Generation	347,845	100.12 %
PLTG	2,044	0.59 %
HVDC	-1,626	-0.47 %
Interconnection	418	0.12 %
Net Energy	347,427	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:	20:00:00 Hour
Total Set On Bus	18,337 MW
TNB Generation	3,111 MW
IPP Generation	13,078 MW
Spinning Reserve	2,115 MW
Maximum Demand	16,177 MW
Net Energy	347,427 MWH
Load Factor	89.49 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	768
Hydro	395
Syncon	405
Thermal	559
Total	2,127

Time	Weather	Temperature
Afternoon	Cloudy	31
Morning	Sunny	23

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	93
Total TNB	122
CBPS	42
EMPP	295
NPRI	77
PCGP	89
PGLA	58
PLPS	38
SKSP	47
SPGP	210
PKLG	63
Total IPP	920
Total Gas	1,042

Total Gas Required 1,042

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	15058	14436	13846	13497	13024	12816	12838	12715	12640	13677	14424	14863	14629	14481	14974	15222	15390	15120	14825	15181	16177	15951	15807	15586

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, October 4, 2022 2:56:08 PM

(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		
KNYR	HY01	100	101	100	100	101	100	100	100	101	100	100	100	100	100	100	100	100	100	100	100	100	100	101	100	101	100	101	100	100	100	100	100	100	100	100	100	100	100	101	100	100	101	100	101	101				
KNYR	HY02	104	104	104	104	104	103	104	104	104	104	104	104	104	104	104	104	104	103	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104				
KNYR	HY03	103	103	103	102	102	102	101	101	101	101	102	102	102	103	103	103	103	103	103	103	102	102	101	101	101	101	101	102	102	103	103	103	103	103	103	103	102	102	101	101	101	100	101	101	101	102	102	103	103
KNYR	HY04	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	102	102	102	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101		
LPIA	HY01	19	19	19	19	19	19	19	19	19	19	19	18	17	17	17	17	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	17	16	16		
LPIA	HY02	18	18	18	18	18	18	18	18	18	18	18	18	17	17	17	17	18	19	19	18	18	18	18	18	18	18	18	17	17	17	17	17	17	17	17	18	18	18	18	18	18	18	18	17	16	16			
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	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3				
PGAU	HY01	21	21	21	22	22	22	22	22	21	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	21	22	21	21	22	22	22	22	22	22	22	22	21	21	21	21	21	21	21	21	21	21			
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	20	-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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1				
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30	30	30	30	30	30	50	50	50	50	50	50	50	50	0	0	0	0	31	31	31	31	31	31	31	31	51	
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	31	31	31	31	31	31	50			
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	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30	30	30	50				
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	0	0	0	0	17	17	17	17	17	17	17	25		
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	0	0	0	0	17	17	17	17	17	17	17	25		
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	0	0	0	0	17	17	17	17	17	17	17	25			
TMGR	HY01	32	-1	-1	0	-1	0	-1	0	-1	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	60	63	33	33	34	34	82	81	81	81	81	-1	-1	-1		
TMGR	HY02	33	34	35	34	32	33	34	33	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	33	34	34	84	84	35	35	36	36	36	84	83	83	83	83	-1	84	84				
TMGR	HY03	39	79	81	41	40	40	81	43	44	84	81	80	66	61	41	40	53	54	84	64	43	73	79	82	39	41	39	41	41	63	49	83	82	82	40	41	41	80	41	40	40	43	81	81	40	45	40		
TMGR	HY04	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	81	81	81	81	81	82	82	82		
UJLI	HY02	-1	-1	151	145	-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	-1	-1	94	185	185	88	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1				
UPIA	HY01	5	6	6	5	6	5	5	5	5	5	5	5	5	5	5	5	5	6	5	6	5	6	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	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5				
Total Hydro		851	831	985	937	789	788	828	791	742	765	761	758	744	740	718	719	735	810	844	823	799	829	836	842	779	798	772	772	829	852	839	1019	1232	1237	1019	768	772	770	808	1006	1104	1105	1108	1167	1148	920	1011	1142	
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	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	1	2	4	5	7	8	9	13	24	25	27	21	20	19	16	17	15	21	9	10	5	3	1	1	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	1	3	6	12	12	16	16	36	34	34	32	37	28	34	32	16	27	18	19	7	4	2	1	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	2	6	9	15	15	21	26	29	27	23	33	31	32	30	20	16	10	4	4	3	3	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	2	6	15	21	22	19	43	34	23	42	45	46	45	28	37	38	21	19	11	12	11	3	1	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	2	3	4	8	7	7	7	12	12	16	16	18	21	23	19	17	14	14	23	12	9	4	2	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	2	3	5	9	15	16	28	24	12	11	10	14	8	11	11	5	4	2	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	3	6	9	12	13	16	25	31	32	31	50	32	46	41	34	20	10	7	10	7	5	1	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	3	5	8	11	14	24	30	25	29	14	30	27	31	28	12	14	7	7	10	5	4	2	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	1	4	5	10	21	26	30	37	17	9	12	17	43	20	24	45	41	35	17	19	11	7	4	1	0	0	0	0	0	0	0			
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	16	24	36	43	63	68	71	62	52	87	91	64	37	72	39	29	8	5	5	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	3	8	10	15	24	29	27	41	25	41	42	31	35	24	17	14	15	11	4	4	3	1	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	2	6	9	12	16	23	24	21	15	23	30	27	11	3	21	20	6	9	5	2	2	1	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	1	7	13	20	25	39	67	99	95	100	100	89	79	99	81	71	100	43	23	7	8	6	2	1	0	0	0	0	0	0	0			
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0																																							

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	26	27	27	28	27	27	27	27	26	26	27	28	28	25	27	28	27	27	27	26	26	27	26	27	28	28	26	28	25	25	26	9	8	6	6	6	6	6	7	6	6	5	6	7	8					
PCUF	CUFK	27	26	26	27	26	26	26	27	10	2	5	4	5	4	5	4	5	3	5	4	5	5	4	5	5	4	5	29	27	27	24	26	26	27	27	27	27	26	24	26	23	26	25	27	26					
Total Co-Gen		53	53	53	55	54	53	53	54	36	28	32	32	33	37	32	34	35	35	34	31	31	31	31	32	33	31	32	32	33	55	55	53	49	52	35	35	33	33	35	34	33	31	32	29	32	32	37	38		
Total Gen		15110	14689	14430	14133	13871	13681	13497	13292	13043	13003	12829	12776	12828	12850	12756	12545	12638	13225	13621	14055	14389	14671	14864	14925	14629	14540	14502	14728	14925	15138	15200	15294	15457	15423	15219	15044	14888	14872	15191	16019	16222	16144	15963	15912	15831	15627	15571	15553		
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	0	
TIE-HVDC		-98	-28	-28	-28	-28	-30	-28	-28	-30	-28	-29	-29	-29	-29	-29	-30	-30	-30	-97	-98	-98	-98	-98	-98	-97	-99	-99	-99	-99	-99	-99	-97	-96	-100	-97	-98	-97	-98	-97	-99	-99	-98	-30	-28	-28					
TIE-PLTG		150	42	22	52	53	68	27	34	49	73	43	46	19	55	70	68	28	66	-26	72	63	93	99	65	97	90	118	96	47	77	127	166	146	195	198	160	150	107	132	111	157	123	76	13	87					
Interconnection		52	14	-6	25	25	37	0	7	19	44	13	17	-10	26	41	39	-2	36	-56	-25	-35	-5	1	-33	0	-7	21	-3	-49	-52	-22	28	67	49	99	98	63	52	10	33	45	-5	12	59	24	46	-15	58		
System Total		15058	14675	14436	14108	13846	13644	13497	13285	13024	12959	12816	12759	12838	12824	12715	12506	12640	13189	13677	14080	14424	14676	14863	14958	14629	14547	14481	14731	14974	15190	15222	15266	15390	15374	15120	14946	14825	14820	15181	15986	16177	16149	15951	15853	15807	15581	15586	15495		
SRev ST-Coal		422	508	813	857	856	853	900	819	879	935	990	1012	947	893	833	913	914	912	915	894	684	618	623	621	577	588	581	581	589	588	596	516	495	487	429	379	359	356	361	166	184	201	163	141	145	124	91	96		
SRev CCGT-Gas		309	526	439	496	558	534	415	500	544	532	663	686	696	719	842	1092	1069	641	365	464	576	530	466	447	698	806	916	724	570	359	424	352	266	532	628	784	979	1257	1439	1118	1125	1348	1535	1664	1731	1758	1943	2088		
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	0	
SRev ST-Gas		20	45	45	44	44	44	44	45	45	45	45	44	44	44	44	44	44	44	44	44	44	44	44	45	45	44	44	45	45	45	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	
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	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	0	0
Syncon		338	426	239	151	426	338	426	338	275	338	338	426	426	426	426	338	514	514	514	514	514	426	514	514	363	514	514	426	426	426	239	151	151	151	338	338	338	338	338	338	338	338	187	338	514	426	426			
Hydro		452	297	330	379	339	341	300	338	450	277	281	283	297	301	323	322	307	355	321	342	366	336	330	323	386	518	393	393	424	401	414	421	296	291	509	448	444	446	408	435	424	423	420	512	380	432	429	298		
S.Reserve Total		1541	1802	1866	2014	2223	2197	2085	2127	2280	2301	2491	2539	2497	2470	2555	2884	2846	2466	2159	2258	2184	2042	1976	1950	2220	2319	2448	2257	2054	1819	1905	1572	1252	1505	1761	1993	2164	2441	2590	2101	2115	2354	2500	2548	2638	2872	2933	2955		