

Daily System Generation Summary on Sunday

Sunday, December 4, 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	18,933 MW
Total Co-Gen	0 MW
Total System	24,898 MW

Generation Mix

Type	MWh	Percentage
Hydro	15,488	4.87 %
Gas	37,622	11.82 %
Total TNB	53,110	16.69 %
ST-Coal	193,455	60.78 %
LSS	4,195	1.32 %
Gas	67,724	21.28 %
Total IPP	265,374	83.38 %
Co-Gen	772	0.24 %
Total Co-Gen	772	0.24 %
Total Generation	319,256	100.31 %
PLTG	262	0.08 %
HVDC	727	0.23 %
Interconnection	989	0.31 %
Net Energy	318,267	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:	21:00:00 Hour
Total Set On Bus	18,257 MW
TNB Generation	2,808 MW
IPP Generation	12,494 MW
Spinning Reserve	2,901 MW
Maximum Demand	15,308 MW
Net Energy	318,267 MWH
Load Factor	86.63 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	2,376
Hydro	515
Syncon	924
Thermal	319
Total	4,134

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	24

Gas Usage

Station	(mmscfd)
TJGS	84
Total TNB	84
CBPS	35
EMPP	199
NPRI	114
PCGP	72
PLPS	53
SPGP	167
Total IPP	641
Total Gas	725
Total Gas Required	725

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	13963	13355	12886	12350	12129	11914	11972	11852	11417	11965	12506	12898	13011	13101	13255	13620	13752	13605	13536	14481	15301	15308	14969	14567

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, January 4, 2023 8:22:18 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Sunday

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	705	705	707	706	706	706	706	707	705	704	706	707	705	698	705	705	707	705	706	706	705	707	707	710	705	706	707																							
JMAH	U002	707	707	701	703	635	368	232	214	214	213	215	215	214	213	214	213	215	214	441	671	708	705	704	704	706	704	702																							
JMHE	U001	898	900	838	840	843	840	812	799	798	802	800	800	800	801	798	799	799	796	799	798	799	800	801	802	850	851	850																							
JMHE	U002	899	901	839	841	840	842	807	799	800	801	801	801	800	801	816	800	798	800	800	803	799	800	801	798	804	801	798																							
JMJG	U002	677	674	673	677	673	673	674	674	672	677	677	677	674	673	677	679	676	679	676	674	672	674	672	675	675	674	676																							
JMJG	U003	671	671	672	671	671	673	673	672	669	671	672	670	672	674	664	678	668	671	673	671	672	672	672	666	671	671	672																							
JMJG	U005	900	903	838	841	844	841	833	799	797	804	800	801	800	804	799	801	798	800	799	799	797	801	801	801	799	803	800																							
PKLG	U004	157	153	158	156	158	156	157	153	155	157	158	154	159	158	157	158	154	155	157	158	156	156	180	256	269	272	274																							
PKLG	U005	269	268	270	269	269	268	269	269	271	267	269	267	268	271	269	269	267	269	269	269	284	376	454	466	467	469	461	466																						
PKLG	U006	358	317	267	269	268	269	268	268	268	268	269	268	269	268	269	269	268	269	269	268	268	304	359	358	358	357	359	354																						
TBIN	U001	700	698	699	696	695	697	700	697	698	699	698	699	699	702	699	700	701	697	695	700	697	696	699	700	701	699	696																							
TBIN	U002	700	700	701	702	702	698	704	701	702	701	700	700	701	699	702	701	697	700	702	702	702	707	698	700	701	696	699																							
TBIN	U003	455	525	642	626	603	602	603	601	602	602	604	602	603	604	603	602	601	602	603	603	603	602	610	612	613	615	626	641																						
Total ST-Coal		8096	8122	8005	7997	7907	7633	7439	7352	7353	7367	7365	7360	7367	7374	7372	7373	7347	7346	7363	7363	7363	7587	7821	7940	8155	8258	8273	8444	8445	8441	8440	8449	8455	8451	8467	8465	8467	8481	8621	8709	8809	8811	8812	8790	8823	8809	8810	8623		
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	0	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	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	196	201	197	196	197	206	201	201	199	203	200	202	201	205	200	196	191	196	197	197	199	195	195	196	196	194	201	201	201	203	199	191	193	196	197	198	197	193	201	201	201	197	199	196	197	201	198	204		
EMPP	BLK1	408	411	407	402	406	415	409	410	409	411	410	409	409	414	408	367	360	372	371	371	372	365	370	370	369	369	375	375	374	375	374	365	364	370	370	373	372	401	411	409	409	411	408	406	407	410	409	426		
EMPP	BLK2	406	411	408	403	407	416	411	410	410	413	411	410	411	414	409	367	361	372	371	371	372	366	369	369	369	369	375	375	375	376	375	365	363	370	370	373	373	400	489	548	498	491	480	481	413	555	409	425		
EMPP	BLK3	666	419	407	403	407	416	410	411	411	412	411	410	411	415	409	367	360	372	371	371	372	365	369	370	370	369	375	375	374	376	373	366	364	370	370	373	372	401	486	656	494	617	617	618	559	573	709	513		
NPRI	BLK1	304	310	303	302	304	316	310	311	307	312	307	310	311	316	310	301	295	303	305	305	304	301	300	302	303	300	310	309	310	313	305	298	298	303	302	306	304	298	515	514	515	508	512	508	511	463	305	311		
NPRI	BLK2	311	317	311	311	311	325	317	317	314	320	316	320	319	323	318	310	304	312	313	313	315	307	308	310	312	307	317	317	318	320	313	306	307	310	310	314	313	305	434	517	520	509	514	509	511	606	305	311		
PCGP	PGRG	586	498	392	392	393	414	401	397	396	405	401	403	401	413	400	397	387	390	391	390	396	387	394	397	396	392	402	399	401	420	394	581	576	590	589	394	390	577	602	601	603	591	593	588	591	605	595	610		
PLPS	GT11	62	62	62	61	62	62	61	62	62	61	61	62	61	65	61	60	63	60	64	60	61	62	65	60	66	64	65	69	64	65	69	64	61	61	61	64	61	61	62	112	112	112	109	109	108	111	112	112		
PLPS	GT12	69	69	69	69	69	69	68	69	69	69	69	69	69	69	65	64	66	67	65	69	65	65	65	65	68	66	68	69	69	71	69	65	65	67	65	70	67	66	69	120	118	120	119	120	119	120	120	119		
PLPS	ST18	92	92	92	92	92	92	92	91	92	93	92	92	92	91	91	89	88	92	90	91	93	91	92	93	94	91	93	94	95	95	95	92	91	93	92	93	93	92	100	133	133	133	131	131	131	132	132	131		
SPGP	BLK1	708	713	706	425	355	370	360	365	354	364	361	360	363	368	362	350	345	354	355	495	714	706	542	536	353	351	361	449	449	714	711	704	701	705	709	710	709	707	719	716	717	712	713	710	712	716	716	720		
SPGP	BLK2	712	717	709	707	710	508	499	503	493	502	499	500	501	505	361	351	348	357	357	357	357	489	351	350	354	353	362	362	363	407	597	682	707	711	708	716	713	707	719	718	717	714	714	713	712	718	717	722		
TJGS	GT1A	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	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	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	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	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164		
TJGS	ST2C	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	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		4980	4680	4523	4223	4173	4069	3999	4007	3976	4025	3998	4007	4010	4054	3862	3681	3623	3711	3714	3849	4089	4160	3879	3884	3713	3685	3769	3852	3858	4190	4333	4539	4554	4610	4607	4448	4428	4671	5293	5708	5500	5578	5572	5552	5434	5373	5189	5066		
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	0	0	0	0	0	0	0	0																	

Daily MW Generation on Sunday

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	100	100	100	100	100	100	100	100	100	100	100	100	60	60	60	100	100	100	100	100	100	100	100	101	101	
KNYR	HY02	101	101	101	101	101	101	101	101	101	101	101	101	101	60	61	61	61	61	60	60	60	60	101	101	101	101	
KNYR	HY03	99	99	98	98	97	96	96	96	97	97	98	99	59	56	96	96	95	95	94	94	63	54	55	55	55	55	
KNYR	HY04	101	101	101	100	100	101	101	101	101	101	101	101	101	61	59	105	104	104	104	104	104	59	60	61	61	60	
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	
PGAU	HY01	-1	-1	19	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	-1	-1	
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	
PGAU	HY03	21	21	21	22	21	22	22	22	22	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	
PGAU	HY04	22	22	21	22	21	22	22	22	22	22	22	21	22	21	22	21	21	21	21	21	21	21	21	21	21	21	
SIHY	HY01	29	30	30	30	30	30	51	51	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	51	
SIHY	HY02	30	30	30	30	30	30	50	50	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	50	
SIHY	HY03	30	30	30	30	30	30	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	50	
SYPS	HY01	25	25	25	25	25	25	25	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	
SYPS	HY03	25	25	25	25	25	25	25	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	17	
SYPS	HY04	25	25	25	25	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	
TMGR	HY01	-1	-1	0	-1	0	-1	-1	-1	-1	-1	-1	-1	-1	0	-1	0	-1	-1	0	-1	-1	-1	-1	-1	-1	-1	
TMGR	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	-1	-1	
TMGR	HY03	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	
TMGR	HY04	32	42	41	40	42	83	67	58	41	81	42	63	41	83	41	40	38	43	43	41	43	40	39	39	41	40	
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	-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	-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	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	
Total Hydro		935	830	847	847	828	869	882	873	807	656	586	609	587	689	620	427	417	510	590	588	589	585	584	583	585	427	427
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	
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	7	7	10	14	18	22	17	24	6	10	
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	9	7	12	16	24	22	30	18	20	10	21	
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	11	19	16	22	18	27	16	27	19	20	13	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	17	6	22	27	25	17	35	29	35	39	40	40	
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	11	9	11	17	23	30	31	41	35	18	29	38	
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	8	8	28	38	32	38	23	23	35	19	36	25	
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	7	12	24	17	28	13	17	22	22	16	17	
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	8	11	21	20	16	23	33	37	27	33	33	
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	6	15	28	55	33	59	54	90	47	65	53	54	32	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	10	13	29	17	21	27	35	31	27	20	22	23	
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	8	18	11	21	20	17	17	15	16	20	19	
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	5	8	18	15	23	22	25	21	29	27	21	
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	6	6	34	14	50	45	16	32	51	16	
MNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	9	10	10	14	28	89	78	87	81	91	40	
PKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	20	46	67	57	62	52	83	72	55	39	26	15	15	
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	9	24	17	33	36	47	52	41	52	32	40	
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	6	13	22	33	21	31	28	14	20	18	13	
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	5	9	13	8	10	8	8	14	22	17	19	10	15	
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	15	22	18	29	27	24	22	30	30	12	30	
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	13	92	191	275	382	450	494	642	697	595	610	546	489	482
ESTL	ESTL	14	23	13	12	13	8	19	19	8	10	8	7	10	9	24	24	24	16	22	22	13	15	25	23	23	25	27
PCUF	CUFG	18	4	4	6	5	5	5	4	6	5	4	4	5	5	5	5	5	5	5	5	4	5	4	6	5	4	4

Daily MW Generation on Sunday

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	CUFK	3	4	3	3	4	4	5	3	5	3	4	1	5	4	3	4	4	3	4	4	3	4	4	3	5	3	6	3	3	3	3	4	5	3	3	4	3	4	3	3	5	3	4	2	5	4	4	2	
Total Co-Gen		35	31	20	21	22	17	29	26	19	18	16	12	20	18	32	32	32	23	30	31	21	24	34	30	33	32	39	32	23	30	22	30	31	26	26	29	30	33	52	53	55	53	54	53	56	55	54	50	
Total Gen		14046	13663	13395	13088	12930	12588	12349	12258	12155	12066	11965	11988	11984	12135	11886	11526	11511	11781	11972	12213	12512	12850	12960	13134	13081	13012	13054	13269	13255	13597	13636	13831	13860	13881	13730	13683	13600	13813	14584	15305	15285	15360	15356	15227	15005	14826	14641	14377	
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	31	31	31	31	30	31	31	32	29	29	31	32	31	29	31	29	31	31	29	29	30	30	31	31	32	29	29	29	32	29	31	31	31	31	29	29	31	29	29	29	31	29	31	29			
TIE-PLTG		53	-9	9	-9	14	-27	-31	-13	-5	-39	21	-6	-19	-38	3	28	64	18	-24	-11	-23	-12	32	41	39	12	-79	-45	-29	-27	-13	57	79	81	94	30	33	45	74	56	-45	72	17	42	6	-4	44	-29	
Interconnection		83	22	40	22	44	4	-1	18	26	-7	51	24	12	-6	34	57	94	47	7	20	6	18	62	71	70	42	-47	-16	0	3	16	89	108	112	125	62	64	75	103	88	-16	103	48	71	36	25	74	0	
System Total		13963	13641	13355	13066	12886	12584	12350	12240	12129	12073	11914	11964	11972	12141	11852	11469	11417	11734	11965	12193	12506	12832	12898	13063	13011	12970	13101	13285	13255	13594	13620	13742	13752	13769	13605	13621	13536	13738	14481	15217	15301	15257	15308	15156	14969	14801	14567	14377	
SRev ST-Coal		381	604	496	508	555	560	551	561	559	556	555	554	556	554	556	546	560	565	553	556	555	558	511	469	430	385	364	342	340	345	391	381	376	381	368	373	366	350	350	276	156	154	153	175	142	156	155	334	
SRev CCGT-Gas		1890	2190	2347	2647	2697	2801	2871	2863	2894	2845	2872	2863	2860	2816	3008	3189	3247	3159	3156	3021	2781	2710	2991	2986	3157	3185	3101	3018	3012	2680	2537	2331	2316	2260	2263	2422	2442	2199	1577	1162	1370	1292	1298	1318	1436	1497	1681	1819	
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	1104	865	953	1016	1104	1104	1104	1104	1104	1104	1104	1104	953	1016	865	953	865	953	953	953	953	953	953	953	953	953	865	953	953	714	953	953	865	953	865	953	865	953	953	1104	928	928	928	928	928	928	928	777
Hydro		504	434	569	568	437	395	382	391	432	295	365	342	364	413	332	526	535	443	362	364	363	367	368	369	367	525	525	501	505	484	660	534	534	551	551	388	390	392	401	605	519	522	522	608	523	526	503	604	
S.Reserve Total		3791	4332	4364	4676	4792	4860	4908	4919	4989	4800	4896	4863	4884	4736	4999	5213	5295	5119	5024	4894	4652	4588	4823	4777	4907	5048	4943	4813	4810	4462	4389	4199	4179	4144	4135	4135	4151	3894	3432	2971	2973	2896	2901	3029	3029	3107	3267	3534	