

Daily System Generation Summary on Friday

Friday, December 2, 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	19,046 MW
Total Co-Gen	0 MW
Total System	25,011 MW

Generation Mix

Type	MWh	Percentage
Hydro	20,451	5.76 %
Gas	56,334	15.87 %
Total TNB	76,785	21.63 %
ST-Coal	169,159	47.65 %
LSS	3,361	0.95 %
Gas	105,563	29.73 %
Total IPP	278,083	78.33 %
Co-Gen	716	0.20 %
Total Co-Gen	716	0.20 %
Total Generation	355,584	100.16 %
PLTG	343	0.10 %
HVDC	211	0.06 %
Interconnection	554	0.16 %
Net Energy	355,030	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:	16:00:00 Hour
Total Set On Bus	18,300 MW
TNB Generation	3,752 MW
IPP Generation	12,817 MW
Spinning Reserve	1,700 MW
Maximum Demand	16,616 MW
Net Energy	355,030 MWH
Load Factor	89.03 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	331
Hydro	531
Syncon	692
Thermal	344
Total	1,898

Time	Weather	Temperature
Afternoon	Cloudy	31
Morning	Rainy	23

Gas Usage

Station	(mmscfd)
TJGS	154
Total TNB	154

CBPS	51
EMPP	312
NPRI	159
PCGP	88
PLPS	67
SPGP	209
Total IPP	886
Total Gas	1,040

Total Gas Required	1,040
---------------------------	--------------

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	14311	13616	13186	12787	12537	12442	12761	12955	13309	14878	15623	16138	15980	15579	16066	16361	16616	16296	15514	15954	16229	15793	15234	14632

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, January 4, 2023 8:10:14 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Friday

		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	217	214	217	216	216	216	216	216	216	216	215	216	217	217	215	216	215	215	215	216	216	215	216	215	216	216	215	215	215	216	216	215	215	215	216	216	216	216	216	216	215	216	216	215	216	215	216	215	216
JMAH	U002	213	214	214	213	214	214	213	213	212	214	214	213	213	213	214	213	214	214	213	286	494	704	714	709	705	700	705	703	706	704	707	703	704	709	703	705	705	706	706	705	596	283	211	215	214	213	213			
JMHE	U001	894	900	899	900	849	850	849	851	848	850	850	848	847	848	846	848	850	844	942	976	976	973	977	976	975	975	976	978	976	976	977	972	975	969	974	971	978	973	971	976	974	971	972	974	974	979				
JMHE	U002	895	898	901	902	848	851	850	852	850	850	850	848	849	850	851	853	851	849	936	978	981	978	980	978	977	975	976	979	980	978	976	980	977	977	975	972	977	976	979	976	979	978	974	977	975	975	980			
JMJG	U002	681	679	679	678	682	678	680	682	680	681	685	676	683	678	681	679	679	687	676	681	679	680	681	677	682	679	681	680	679	679	680	679	668	671	675	673	674	675	677	674	673	676	674	672	674					
JMJG	U003	672	672	670	670	672	671	671	671	666	672	671	673	675	669	671	671	668	672	671	667	672	668	671	667	672	668	671	667	671	671	671	671	671	671	671	672	670	672	672	676	671	671	668	673	671	672	670	672		
JMJG	U005	904	900	900	846	849	847	849	851	851	849	850	850	851	848	852	851	850	846	933	985	982	983	981	978	983	982	979	974	978	976	974	977	972	972	975	966	972	972	980	977	978	977	976	977	973	977	974	977		
PKLG	U004	157	169	157	151	156	153	159	154	153	155	159	155	158	158	155	156	156	155	155	159	152	156	155	151	155	157	158	156	156	155	156	155	155	152	163	156	152	150	155	150	154	157	153	154	156	155	155	155		
PKLG	U005	269	267	269	269	268	268	269	270	268	269	268	269	268	269	269	271	267	269	269	269	268	269	268	269	268	269	268	269	268	268	268	271	268	268	268	268	271	267	270	269	269	269	268	269	269	269	269	269	269	
PKLG	U006	267	269	269	269	268	268	269	269	269	268	268	269	268	268	268	268	268	268	269	269	268	268	268	268	269	268	269	269	269	269	269	269	269	269	268	271	269	268	268	268	268	269	269	269	269	269	269			
TBIN	U001	697	549	338	209	214	212	213	212	213	212	212	211	212	212	210	213	278	384	616	701	705	698	697	703	701	702	700	695	696	696	699	702	696	701	699	695	699	696	698	698	699	676	696	535	327	209	210			
TBIN	U002	592	293	209	212	213	213	214	213	216	214	213	214	318	527	672	701	699	701	700	701	701	701	700	701	700	699	699	701	699	701	699	702	701	699	695	699	696	699	699	697	701	697	702	699	700	704	703			
TBIN	U003	214	212	213	212	213	213	215	213	215	211	215	213	213	212	213	214	252	337	526	664	735	702	696	699	697	697	696	699	696	697	696	699	696	696	697	698	697	697	700	697	699	697	698	696	698	694	697	579	412	243
Total ST-Coal		6672	6239	5932	5748	5662	5654	5665	5667	5657	5662	5672	5655	5771	5968	6119	6153	6183	6327	6902	7388	7618	7792	7992	7993	8007	7993	7984	7996	7987	7995	7981	7997	7986	7976	7989	7963	7975	7971	7992	7981	7982	7877	7524	7484	7319	7000	6711	6560		
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	
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		
CBPS	BLK2	356	361	361	358	357	358	359	329	201	201	200	201	358	344	201	202	314	363	362	361	360	362	358	355	354	256	193	214	361	361	357	360	358	360	353	353	352	363	370	359	359	355	361	353	357	361	362	365		
EMPP	BLK1	705	710	710	710	708	710	709	712	710	709	711	709	708	709	710	710	711	710	710	711	709	710	708	704	704	710	701	717	710	710	709	709	710	709	699	702	701	700	722	708	710	707	711	702	707	710	708	716		
EMPP	BLK2	705	709	710	709	709	710	710	711	710	710	711	709	708	710	710	710	710	711	710	709	709	710	708	703	704	711	702	718	710	709	709	709	710	708	701	702	701	710	722	710	710	707	710	702	707	710	708	716		
EMPP	BLK3	705	710	710	709	709	710	709	712	710	709	711	709	708	710	710	710	711	710	710	707	709	711	709	704	704	711	702	717	710	710	708	710	710	708	700	702	700	709	722	710	709	707	711	702	707	710	707	716		
NPRI	BLK1	509	516	516	513	511	511	514	514	516	517	515	517	510	513	515	515	513	517	520	516	511	516	509	506	507	514	505	524	516	516	512	515	517	514	505	505	504	520	526	512	515	509	527	497	521	526	526	531		
NPRI	BLK2	510	527	527	525	523	515	524	454	484	439	421	472	505	478	430	492	514	527	529	500	501	518	501	499	499	489	528	506	500	503	501	502	501	491	491	490	505	514	499	500	496	508	502	505	524	523	532			
PCGP	PGRG	587	605	601	596	596	598	597	601	602	604	601	604	592	598	602	600	606	600	591	604	591	587	584	599	579	600	601	602	595	601	600	600	580	579	580	608	600	595	600	584	602	581	594	604	604	616				
PLPS	GT11	141	63	62	62	62	62	62	61	62	61	62	61	62	62	61	115	111	108	112	109	107	107	111	107	115	111	130	130	130	130	130	130	130	130	125	108	111	116	131	133	130	132	129	130	133	133	137			
PLPS	GT12	139	68	69	69	69	69	69	69	69	69	69	69	70	69	69	69	68	122	118	118	117	120	115	115	116	118	115	122	119	137	138	137	138	137	133	135	114	120	124	137	139	138	141	136	139	142	141	141		
PLPS	ST18	142	95	93	92	92	92	92	92	92	92	91	92	92	92	92	92	131	133	132	131	132	130	130	130	130	132	130	132	132	141	141	140	140	140	139	138	129	132	131	141	140	141	142	141	140	140	141	141		
SPGP	BLK1	495	709	713	714	718	717	716	718	721	721	719	719	714	718	721	718	717	718	719	717	710	717	709	707	707	717	704	723	718	715	705	714	712	711	714	712	700	712	712	712	713	713	711	715	709	714	716	719		
SPGP	BLK2	712	720	717	716	716	715	716	717	718	718	717	717	712	714	718	718	716	724	723	713	709	717	708	704	705	716	702	726	716	717	710	715	713	714	716	715	702	714	714	714	713	706	717	714	711	717	719	724		
TJGS	GT1A	200	190	228	228	190	100	126	126	126	126	126	126	126	126	126	126	155	235	238	239	240	238	238	238	154	139	140	139	138	236	5	145	226	226	226	226	226	226	226	226	226	226	226	226	220	220				
TJGS	GT1B	213	185	220	220	184	100	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
TJGS	ST1C	240	215	226	226	215	150	75	75	75	75	75	75	75	75	75	75	115	117	117	117	118	118	118	86	77	76	76	76	116	117	117	124	124	124	124	124	124	32	124	124	124	124	124	124						

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
KNRG	HY02	24	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	20	20	20	20	20	20	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
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	102	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	97	96	96	96	96	97	97	98	98	99	99	99	99	98	98	97	96	95	95
KNYR	HY04	100	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	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY02	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
PGAU	HY04	21	21	21	21	21	21	21	22	21	22	21	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	-1	-1	-1	-1	0	0	-1	0	-1	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	40	81	79	54	41	41	41	41	79	59	41	63	41	41	2	2	2	2	2	2	2	2	2	2
TMGR	HY04	0	0	0	0	0	0	0	0	0	32	32	68	61	43	83	83	43	40	78	43	42	65	39	82
UJLI	HY01	0	0	0	0	0	0	-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	6	5	6	5	5	5	5	6	6	6	6	5	5	6	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		610	604	601	577	583	584	578	581	618	600	582	604	616	614	615	607	590	687	722	678	752	912	842	840
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
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
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
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
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	23	22	24	23	24	24	25	23	23	25	24	20	22	23	24	23	25	21	18	23	22	21	21	21

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	
PCUF	CUFG	4	5	6	5	5	4	4	5	4	4	5	4	4	4	4	5	5	4	5	4	3	5	4	5	5	4	5	5	4	3	5	5	4	4	4	5	6	4	5	4	5	4	4	5	5	5		
PCUF	CUFK	3	4	4	3	2	3	3	3	4	3	4	2	3	4	3	2	4	3	3	4	3	3	4	4	3	3	4	3	4	4	4	1	5	3	4	3	4	4	4	5	3	3	6	3	5	3	3	3
Total Co-Gen		30	31	34	31	31	31	32	31	31	32	33	26	29	31	31	29	34	29	25	32	29	27	30	29	30	31	32	26	29	32	30	25	31	31	32	31	32	30	29	29	26	27	31	26	32	31	26	27
Total Gen		14354	13858	13631	13405	13237	12988	12823	12621	12551	12496	12466	12515	12806	12981	12956	13047	13353	14180	14836	15305	15648	15996	16142	16193	15952	15751	15573	15738	16031	16299	16376	16568	16600	16607	16330	15976	15623	15594	16014	16490	16304	16078	15818	15556	15272	14962	14643	14410
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		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	29	31	31	30	30	31	31	31	30	30	30	30		
TIE-PLTG		43	14	15	57	51	38	36	25	14	47	24	5	45	-6	1	54	44	1	-42	-21	25	-7	4	11	-28	-29	-6	-51	-35	-11	15	68	-16	1	5	74	79	27	29	66	44	2	-6	29	8	-14	-18	-27
Interconnection		43	14	15	57	51	38	36	25	14	47	24	5	45	-6	1	54	44	1	-42	-21	25	-7	4	11	-28	-29	-6	-51	-35	-11	15	68	-16	1	34	103	109	57	60	96	75	33	25	59	38	16	11	3
System Total		14311	13844	13616	13348	13186	12950	12787	12596	12537	12449	12442	12510	12761	12987	12955	12993	13309	14179	14878	15326	15623	16003	16138	16182	15980	15780	15579	15789	16066	16310	16361	16500	16616	16606	16296	15873	15514	15537	15954	16394	16229	16045	15793	15497	15234	14946	14632	14407
SRev ST-Coal		716	788	799	800	795	802	801	798	806	796	792	803	790	806	757	728	733	726	611	463	343	351	284	300	270	287	289	284	290	282	297	284	288	300	297	317	297	304	287	293	296	367	403	374	449	508	513	496
SRev CCGT-Gas		310	588	508	523	611	853	701	882	979	1022	1045	994	834	856	1033	974	763	238	252	305	334	272	345	379	546	783	928	716	437	256	503	339	252	260	336	333	411	520	336	329	298	347	225	328	275	257	284	237
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		829	829	829	829	590	590	1016	928	1016	928	1016	928	928	1016	928	928	928	590	741	829	741	403	554	554	928	928	928	928	741	741	590	741	554	554	741	741	928	741	741	403	554	590	741	928	928	928	928	928
Hydro		383	309	312	336	482	481	334	332	294	313	330	309	384	385	298	306	323	564	378	421	435	613	532	534	348	324	352	305	422	426	662	501	606	474	447	553	373	443	445	478	542	579	425	352	443	401	399	399
S.Reserve Total		2400	2676	2721	2761	2838	3086	2939	3114	3182	3233	3270	3208	3110	3150	3190	3110	2921	2292	2156	2105	1940	1726	1802	1854	2179	2409	2584	2320	1977	1792	2052	1865	1700	1588	1821	2031	2183	2182	1896	1503	1690	1883	1794	1982	2182	2181	2211	2147