

Daily System Generation Summary on Sunday

Sunday, October 23, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,072 MW
Distillate	0 MW
Total TNB	2,072 MW
Total IPP	17,559 MW
Total Co-Gen	0 MW
Total System	22,496 MW

Generation Mix

Type	MWh	Percentage
Hydro	17,798	5.60 %
Gas	32,299	10.16 %
Total TNB	50,097	15.76 %
ST-Coal	209,986	66.04 %
LSS	4,073	1.28 %
Gas	52,331	16.46 %
Total IPP	266,390	83.78 %
Co-Gen	459	0.14 %
Total Co-Gen	459	0.14 %
Total Generation	316,946	99.68 %
PLTG	-442	-0.14 %
HVDC	-566	-0.18 %
Interconnection	-1,008	-0.32 %
Net Energy	317,954	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	17,230 MW
TNB Generation	2,310 MW
IPP Generation	12,579 MW
Spinning Reserve	2,316 MW
Maximum Demand	14,931 MW
Net Energy	317,954 MWH
Load Factor	88.73 %

Fuel Cost

Total Cost:	117,594,651.17 RM
Cost per Unit	37.10 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,445
Hydro	313
Syncon	827
Thermal	377
Total	2,962

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmcsfd)
GLGR	29
TJGS	110
Total TNB	138
EMPP	175
NPRI	64
PCGP	74
PLPS	37
SPGP	90
Total IPP	440
Total Gas	578
Total Gas Required	578

Alternate Fuel Usage

Station	(mmcsfd)
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	14476	13938	13454	12964	12514	12251	12269	11916	11634	11996	12515	12841	12854	12858	13077	13412	13561	13576	13430	14293	14931	14759	14414	14123

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, November 2, 2022 5:07:47 PM
(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	U002	707	706	707	704	708	706	707	705	705	705	706	705	705	705	705	706	707	705	707	703	707	703	706	704	707	707	705	703																				
JMHE	U001	900	900	901	897	897	863	799	801	800	801	799	800	799	799	803	795	800	803	799	828	824	816	824	816	822	849	850	847	852	852	847	854	850	917	966	981	983	980	978	981	897	901	905					
JMHE	U002	903	901	901	897	897	863	800	802	805	798	797	795	799	800	797	798	801	798	800	795	799	802	797	828	820	818	819	819	816	823	850	848	849	850	851	848	854	849	943	979	978	981	982	978	980	900	899	903
JMJG	U001	417	417	419	419	420	420	419	418	419	419	420	418	419	420	417	419	425	512	517	518	519	517	519	540	545	548	548	574	601	593	597	618	645	645	649	648	678	672	673									
JMJG	U002	585	601	603	596	604	596	648	683	666	672	662	668	661	673	665	672	669	658	669	677	658	678	666	661	669	671	667	667	649	581	587	615	642	657	654	668	657	661	649	656	649	636						
JMJG	U003	669	672	678	673	677	675	683	673	688	668	678	674	680	674	676	673	675	676	673	673	672	678	676	677	673	677	675	673	678	667	688	670	677	680	676	678	671	683	667	679	679	683	657	686	673	674	682	677
JMJG	U004	958	903	900	900	873	812	809	805	806	805	808	808	804	807	806	805	807	806	804	808	805	805	807	816	823	824	823	825	829	829	855	851	853	854	856	854	854	853	877	933	975	974	974	975	975	957	902	901
JMJG	U005	932	900	902	900	828	799	799	801	804	799	798	799	797	803	797	799	801	801	799	800	801	803	801	801	801	800	819	819	817	825	854	844	853	850	848	854	853	840	895	996	977	982	973	977	977	939	902	895
PKLG	U003	282	278	277	278	276	278	277	276	279	279	277	277	278	274	161	144	154	215	286	279	280	279	276	278	284	286	277	277	275	273	273	272	274	276	277	277	277	272	276	278	274	277	277	277	279	278	186	141
PKLG	U004	274	274	266	269	272	272	271	275	272	273	273	271	272	274	215	158	147	181	244	274	278	270	275	278	275	278	268	269	263	268	269	271	270	270	269	272	272	282	272	277	270	271	268	215	148			
PKLG	U005	466	468	463	464	468	469	466	466	471	466	467	467	468	456	388	296	268	291	350	391	462	465	468	470	468	468	464	463	460	462	462	462	469	468	468	463	468	468	466	464	468	467	466	468	465	396	317	
PKLG	U006	443	442	443	442	445	443	443	442	444	443	443	445	445	427	443	443	449	446	445	447	449	447	446	446	445	447	448	448	445	442	446	447	449	447	448	448	443	446	449	447	447	449	446	447	446	450	395	315
TBIN	U002	594	703	703	700	702	709	703	701	698	701	701	700	701	704	698	701	702	701	701	698	698	700	700	702	699	701	703	699	700	699	698	701	699	701	700	701	703	698	700	702	701	700	702	699	701	699	699	697
TBIN	U003	702	696	701	700	698	700	700	700	700	701	699	701	701	698	700	700	699	701	699	699	701	699	702	699	702	700	700	700	699	700	699	701	698	698	702	699	700	703	699	701	698	699	698	700	700	701	699	
Total ST-Coal		8832	8861	8864	8839	8765	8605	8524	8548	8557	8530	8531	8527	8527	8518	8263	8112	8097	8195	8398	8464	8522	8555	8537	8620	8603	8604	8710	8702	8688	8701	8837	8809	8846	8848	8776	8788	8839	8894	9124	9367	9438	9471	9442	9465	9455	9268	8904	8610
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	
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	
EMPP	BLK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	79	199	198	405	720	720	720	720	709	710	436	407	410	410	418	
EMPP	BLK2	714	711	705	660	670	597	597	523	468	406	457	448	480	425	468	406	436	434	406	405	409	410	413	424	406	402	410	410	406	410	407	408	410	410	412	399	406	388	431	570	412	410	415	534	406	409	666	712
EMPP	BLK3	714	710	706	661	674	600	597	523	470	406	455	447	486	424	469	406	435	436	406	405	410	410	415	419	406	401	410	411	406	410	408	407	466	564	470	399	406	388	512	711	710	515	497	556	555	541	666	711
GLGR	GT01	94	94	93	92	93	93	93	93	92	92	93	94	94	93	92	92	94	94	94	92	92	93	92	94	92	92	93	94	92	92	92	92	92	92	91	93	92	93	91	91	91	93	91	92	91	92	93	
GLGR	ST1C	42	41	40	40	40	41	41	41	41	40	41	40	41	40	41	39	41	41	42	41	41	41	42	41	42	41	42	41	42	41	42	41	41	41	40	40	40	41	41	41	40	41	41	41	41	40	40	
NPRI	BLK2	521	518	451	300	305	309	307	309	307	301	312	311	309	308	299	304	310	311	301	302	310	311	308	316	302	298	306	310	305	307	302	346	446	515	518	505	511	496	519	516	514	512	514	511	518	517	522	
PCGP	PGRG	600	605	597	587	598	601	500	400	399	394	396	402	400	401	396	396	402	403	396	396	401	404	398	178	393	387	401	445	396	521	585	598	600	598	600	562	391	399	601	601	596	592	593	594	589	504	500	508
PLPS	GT11	129	128	128	129	130	129	129	128	129	128	128	129	129	129	128	128	128	129	128	129	129	128	129	129	129	129	128	128	129	129	129	129	129	128	128	128	128	128	128	129	128	128	129	129	129	129	129	
PLPS	ST18	57	57	57	57	57	57	56	57	56	58	57	57	57	57	56	57	57	58	57	57	56	57	57	57	58	57	58	57	58	56	57	57	57	57	56	56	56	57	57	58	58	57	56	57	57	57	57	
SPGP	BLK2	724	720	717	709	719	719	720	718	594	593	361	360	362	362	359	362	361	361	361	402	399	600	654	723	539	537	394	549	710	717	702	714	712	712	714	700	639	572	718	714	712	708	713	716	710	719	714	722
TJGS	GT1A	220	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	150	130	130	130	
TJGS	GT1B	176	104	101	101	101	101	101	101	101	101	100	103	100	100	99	101	101	101	101	100	99	99	101	103	102	102	100	101	101	101	100	104	103	99	100	101	101	98	98	98	0	0	0	0	0	0		
TJGS	ST1C	213	178	148	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	90	63	69	72	72		
TJGS	GT2A	170	129	123	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	GT2B	163	124	116	220	158	158	158	158	158	158	158	158	158	158	156	157	157</																															

Daily MW Generation on Sunday

[illegible]

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		
Total Co-Gen		12	10	30	26	14	13	16	10	26	25	28	21	13	19	21	12	12	19	30	36	27	22	26	17	19	9	8	23	22	27	24	26	25	20	28	12	10	8	8	19	25	22	25	11	10	15	15	25	
Total Gen		14392	14083	13911	13542	13419	13121	12930	12701	12488	12345	12203	12176	12240	12118	11932	11665	11603	11905	11985	12236	12463	12741	12822	12801	12829	12823	12866	13062	13113	13239	13372	13365	13531	13648	13516	13318	13308	13494	14252	14843	14914	14719	14690	14554	14329	14093	14071	13870	
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		-30	-29	-29	-28	-28	-29	-30	-30	-27	-30	-28	-28	-30	-30	-31	-30	-28	-30	-29	-29	-29	-29	-28	-28	-29	-30	0	0	0	0	0	0	0	0	0	0	-30	-28	-31	-27	-28	-28	-30	-28	-31	-29	-30	-27	-31
TIE-PLTG		-54	-36	2	27	-7	-5	-4	-19	1	12	-20	32	2	-45	47	57	-4	-9	18	-4	-23	-40	9	-84	4	30	8	-24	36	-51	-40	-76	-30	-31	-60	-14	-94	-9	-13	-25	11	-29	-41	-39	-56	-78	-25	-90	
Interconnection		-84	-65	-27	-1	-35	-34	-34	-49	-26	-18	-48	4	-29	-75	16	27	-31	-38	-11	-32	-52	-69	-19	-112	-25	1	8	-24	36	-51	-40	-76	-30	-31	-60	-44	-122	-40	-41	-53	-17	-59	-69	-70	-85	-108	-52	-120	
System Total		14476	14148	13938	13543	13454	13155	12964	12750	12514	12363	12251	12172	12269	12193	11916	11638	11634	11943	11996	12268	12515	12810	12841	12913	12854	12822	12858	13086	13077	13290	13412	13441	13561	13679	13576	13362	13430	13534	14293	14896	14931	14778	14759	14624	14414	14201	14123	13990	
SRev ST-Coal		469	435	429	451	417	424	734	447	439	459	459	457	459	474	546	532	533	542	507	484	464	440	446	441	451	438	626	463	465	476	453	468	470	433	454	438	539	422	370	165	224	151	180	157	127	351	567	589	
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
SRev CCGT-Gas		426	716	871	857	893	1035	1141	1389	1625	1764	1879	1894	1824	1943	1876	1993	1918	1914	1989	1955	1934	1728	1678	1798	1814	1635	1939	1734	1640	1495	1457	1388	1227	1085	1250	1399	1603	1649	1108	777	946	1168	1172	1071	968	1060	932	811	
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	0
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 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
Syncon		827	827	827	827	827	827	827	827	827	676	827	827	827	827	827	827	953	827	953	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	
Hydro		241	238	278	278	279	274	281	280	282	409	289	290	288	288	288	289	328	304	252	308	270	274	276	310	316	320	318	311	315	319	318	317	309	316	303	317	320	328	304	449	319	320	319	318	317	279	312	275	
S.Reserve Total		1963	2216	2405	2413	2416	2560	2983	2943	3173	3308	3454	3468	3398	3532	3537	3641	3732	3587	3701	3574	3495	3269	3227	3376	3408	3220	3710	3335	3247	3117	3055	3000	2833	2661	2834	2981	3289	3226	2609	2067	2316	2466	2498	2373	2239	2517	2638	2502	