

Daily System Generation Summary on Tuesday

Tuesday, March 23, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,336 MW
Distillate	0 MW
Total TNB	2,336 MW
Total IPP	18,029 MW
Total Co-Gen	0 MW
Total System	24,636 MW

Generation Mix

Type	MWh	Percentage
Hydro	16,341	4.39 %
Gas	57,959	15.58 %
Total TNB	74,300	19.98 %
ST-Coal	243,682	65.52 %
LSS	2,206	0.59 %
Gas	51,718	13.91 %
Total IPP	297,606	80.02 %
Co-Gen	160	0.04 %
Total Co-Gen	160	0.04 %
Total Generation	372,066	100.04 %
PLTG	-572	-0.15 %
HVDC	717	0.19 %
Interconnection	145	0.04 %
Net Energy	371,921	100.00 %

Maximum Demand Record

Date: 3/10/2020	18,808 MW
Date: 3/10/2020	394,238 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	15:00:00 Hour
Total Set On Bus	18,262 MW
TNB Generation	4,243 MW
IPP Generation	12,845 MW
Spinning Reserve	1,167 MW
Maximum Demand	17,062 MW
Net Energy	371,921 MWH
Load Factor	90.83 %

Fuel Cost

Total Cost:	48,581,256.41 RM
Cost per Unit	13.06 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	550
Hydro	277
Syncon	447
Thermal	230
Total	1,504

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	55
TJGS	148
Total TNB	203
CBPS	49
NPRI	155
PGLA	48
YPKA	23
Total IPP	275
Total Gas	478
Total Gas Required	478

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	15891	15088	14572	14087	13783	13494	13509	13623	13707	15191	15978	16427	16505	16226	16763	17062	16911	16491	15564	15632	16590	16599	16112	15835

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, April 6, 2021 11:52:22 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Tuesday

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	694	695	689	691	692	691	691	690	692	692	691	694	695	692	692	691	695	692	692	691	693	691	695	688	692	692	692																							
JMAH	U002	698	696	699	697	695	696	697	694	696	696	694	692	692	697	696	696	695	694	697	694	693	697	698	693	695	694	695	695																						
JMHE	U001	747	749	747	744	750	757	747	750	750	753	749	752	754	751	753	745	748	748	754	750	752	747	749	751	751	751	746	742	748	749																				
JMHE	U002	976	940	897	895	901	850	843	851	850	852	849	850	852	849	852	855	849	975	981	980	983	981	979	981	980	974	985	977	976	979	979	976	971	979	979															
JMJG	U001	672	675	672	674	670	665	673	667	673	672	671	676	671	670	645	640	666	678	671	667	682	673	671	678	665	672	669	643	641	650	648	645	649	642	649	651	643	657	643	647	622	619	618	613	593	559	568			
JMJG	U002	676	672	672	673	672	669	673	677	672	673	676	672	671	669	672	644	648	673	676	679	670	675	677	672	677	673	673	672	647	642	648	657	645	651	640	657	651	654	640	651	645	618	619	609	623	596	570	570		
JMJG	U003	666	673	673	677	672	672	676	674	673	677	669	678	675	680	667	657	634	677	675	668	668	675	660	660	676	661	661	668	640	643	640	641	643	650	645	635	643	645	645	640	643	621	612	615	610	594	562	565		
JMJG	U004	952	894	854	854	854	854	853	855	854	854	854	854	853	855	854	854	853	889	944	968	977	959	963	964	963	963	962	963	963	966	964	963	963	965	963	965	961	966	964	964	964	962	964	964	963	963				
JMJG	U005	894	890	849	851	851	852	854	850	854	850	852	852	855	853	854	852	851	892	981	895	892	889	892	892	889	891	892	892	892	894	894	890	853	848	851	854	849	851	848	853	850	852	853	852	852	848	846	848	852	
PKLG	U003	278	278	280	280	280	278	278	279	279	277	278	278	276	277	276	275	276	277	274	274	274	272	272	277	276	277	276	278	278	277	276	278	279	277	278	279	276	278	279	277	276	278	277	277	278	277	278	277	278	
PKLG	U004	278	277	278	277	277	281	275	277	274	283	282	280	278	277	278	276	267	277	279	278	274	281	278	273	273	280	278	279	279	277	278	272	279	278	279	276	277	276	276	277	280	278	279	283	279	278	277			
PKLG	U006	448	450	448	452	448	445	445	446	449	448	449	450	450	446	449	449	449	449	449	446	449	450	446	449	445	444	446	448	450	451	449	445	448	391	429	445	451	450	446	446	447	449	450	450	454	445	445	450		
TBIN	U001	689	690	687	689	689	689	689	689	690	690	691	690	691	690	691	687	689	691	690	689	689	690	688	690	689	687	691	687	690	687	688	687	692	686	690	687	690	687	689	690	688	688	692	689	687	690				
TBIN	U002	690	691	689	690	691	690	691	689	691	691	690	692	691	691	696	691	690	690	691	690	690	690	692	691	689	694	690	692	692	687	691	690	691	691	690	691	690	691	689	691	689	692	690	690	694	689	688	691	687	
TBIN	U004	983	975	901	903	903	885	853	852	855	853	853	853	853	853	853	853	853	853	853	853	853	853	853	853	853	853	853	853	853	853	853	853	853	853	853	853	853	853	853	853	853	853	853	853	853	853	853	853	853	
Total ST-Coal		10341	10245	10035	10047	10045	9974	9938	9940	9952	9964	9948	9958	9964	9954	9952	9871	9834	10205	10356	10360	10356	10363	10341	10330	10360	10332	10343	10344	10287	10262	10280	10235	10226	10176	10231	10225	10241	10223	10255	10212	10228	10173	10151	10143	10142	10053	9977	9998		
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	0	
CBPS	BLK2	334	217	226	219	222	226	219	212	225	219	222	225	217	226	212	212	226	218	226	338	361	361	361	361	361	361	368	368	353	353	360	362	367	353	354	356	353	367	368	369	361	360	359	355	358	365	358			
GLGR	GT01	108	108	109	108	110	89	69	68	69	70	68	69	71	70	67	60	68	71	69	107	103	106	104	104	104	105	103	103	103	103	103	104	103	104	103	104	104	105	104	104	105	104	104	104	104	104	104	104		
GLGR	GT02	106	107	106	106	106	85	66	66	66	67	66	66	66	66	66	66	66	68	103	104	104	104	104	104	104	104	103	103	103	103	104	104	104	104	105	104	104	104	105	104	105	104	104	104	104	104	104			
GLGR	ST1C	97	97	98	97	97	88	72	72	72	72	72	72	72	72	71	72	71	72	71	72	71	72	71	72	71	72	71	72	71	72	71	72	71	72	71	72	71	72	71	72	71	72	71	72	71	72	71	72		
NPRI	BLK1	515	520	529	523	524	530	522	518	529	448	442	398	405	447	386	383	416	515	527	520	525	526	524	520	521	521	518	517	517	518	523	527	531	521	512	517	520	536	530	535	530	530	530	530	515	525	531	526		
NPRI	BLK2	518	524	538	526	528	534	526	519	535	473	444	399	351	399	388	381	401	518	531	523	528	529	530	527	526	527	524	522	524	520	520	530	535	539	526	515	521	524	541	534	538	533	533	533	518	527	533	529		
PCGP	PGRG	582	492	306	303	262	263	262	262	262	262	262	262	261	262	261	269	263	276	263	408	602	603	604	601	602	602	613	623	587	587	610	602	605	590	579	260	261	279	602	610	604	602	602	584	598	603	600			
PGLA	GT11	153	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PGLA	GT12	164	228	230	228	162	163	161	158	164	163	161	163	159	163	158	157	165	160	166	163	165	160	161	160	159	162	160	164	167	178	155	161	160	157	153	155	155	165	161	163	160	161	160	155	159	160	161			
PGLA	ST10	89	115	113	114	90	90	91	91	92	91	92	91	92	89	92	89	91	91	91	91	91	91	91	91	91	92	92	92	93	108	89	91	91	90	91	90	91	90	91	91	91	91	91	91	91	91	91	91	91	
SPGP	BLK1	719	719	720	720	720	597	499	361	361	360	362	359	361	360	362	360	359	361	450	720	721	720	721	719	720	715	719	720	720	720	718	718	719	719	718	718	718	721	499	501	719	718	720	718	718	718	718	717	719	717
SPGP	BLK2	719	718	719	719	718	718	718	668	399	359	359	360	359	361	361	360	359	718	719	719	720	720	721	719	718	718	719	721	719	719	718	719	718	718	718	720	719	720	719	718	717	716	719	717	718	717	718	717	718	
TJGS	GT1A	128	136	134	136	137	141	134	134	137	136	133	138	135	137	137	126	137	134	137	135	135	134	184	222	215	198	135	161	234	222	204	197	200	199	171	123	131	134	140	181	181	181	180	181	170	164	162	140		
TJGS	GT1B	119	125	128	130	130	132	123	122	129	125	129	124	127	125	126	119	131	125	128	125	129	129	176	214	207	190	124	150	221	214	202																			

Daily MW Generation on Tuesday

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0