

Daily System Generation Summary on Tuesday

Tuesday, July 6, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,285 MW
Distillate	0 MW
Total TNB	2,285 MW
Total IPP	17,938 MW
Total Co-Gen	0 MW
Total System	23,872 MW

Generation Mix

Type	MWh	Percentage
Hydro	17,007	5.68 %
Gas	46,425	15.51 %
Total TNB	63,432	21.19 %
ST-Coal	188,589	63.00 %
LSS	2,516	0.84 %
Gas	44,452	14.85 %
Total IPP	235,557	78.69 %
Co-Gen	152	0.05 %
Total Co-Gen	152	0.05 %
Total Generation	299,141	99.94 %
PLTG	-913	-0.31 %
HVDC	719	0.24 %
Interconnection	-194	-0.06 %
Net Energy	299,335	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:	20:00:00 Hour
Total Set On Bus	15,099 MW
TNB Generation	3,453 MW
IPP Generation	10,123 MW
Spinning Reserve	1,516 MW
Maximum Demand	13,585 MW
Net Energy	299,335 MWH
Load Factor	91.81 %

Fuel Cost

Total Cost:	44,399,167.48 RM
Cost per Unit	14.84 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	210
Hydro	332
Syncon	582
Thermal	797
Total	1,921

Time	Weather	Temperature
Afternoon	Rainy	32
Morning	Sunny	27

Gas Usage

Station	(mmcsfd)
TJGS	95
Total TNB	95
CBPS	54
NPRI	134
Total IPP	188
Total Gas	283
Total Gas Required	283

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	12909	12284	11847	11424	11168	10914	10950	11078	11220	12188	12632	12964	13104	13092	13302	13341	13291	13069	12479	12595	13585	13451	13257	13039

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, August 5, 2021 10:42:10 PM Head
Grid System Operator
(Ir. Shanmugam Thoppalan)

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	U002	696	690	666	553	556	438	352	355	353	354	354	353	355	355	354	354	354	468	529	556	555	555	555	555	606	605	603	622	656	656	656	656	656	657	655	604	500	504	641	698	694	700	698	698	696	698	696	695	
JMHE	U001	885	889	832	781	780	785	783	780	782	781	781	780	782	781	780	784	782	779	782	829	831	829	828	828	827	829	829	860	860	861	858	859	861	858	856	857	857	863	883	882	878	879	879	881	884	885	882	880	
JMHE	U002	887	890	835	779	783	784	780	779	780	781	783	781	781	779	780	778	780	780	779	834	830	828	829	829	830	828	828	861	860	860	858	858	860	859	857	859	856	864	882	881	879	880	877	878	882	882	879	880	
JMJG	U001	620	620	615	618	620	621	615	559	500	504	504	445	450	451	464	497	495	542	551	568	568	568	567	594	593	597	601	598	540	547	548	546	549	553	545	505	508	562	523	575	579	579	579	576	594	598	607		
JMJG	U002	551	549	550	548	547	550	550	507	509	511	495	451	448	450	472	498	502	546	550	565	585	567	568	568	595	596	600	597	596	539	548	546	549	549	548	549	507	512	510	519	575	578	579	580	579	596	598	593	
JMJG	U003	596	595	594	595	595	596	598	542	489	500	477	450	452	450	469	491	495	545	548	568	561	564	560	568	590	597	595	596	596	543	544	543	546	546	545	545	500	506	506	517	571	578	574	573	572	596	593	591	
JMJG	U004	895	848	805	791	785	787	788	789	788	786	789	790	789	786	787	788	789	787	789	806	835	833	830	830	832	828	830	843	868	865	866	866	867	866	865	861	863	863	884	885	885	885	887	887	883	887	886	886	
JMJG	U005	889	797	801	801	799	800	800	798	800	801	798	799	801	800	800	799	800	800	801	829	829	829	829	830	829	829	829	852	860	860	860	862	860	860	861	861	860	860	881	882	879	881	878	876	881	881	882	881	
PKLG	U006	448	448	446	448	449	449	383	277	268	267	269	267	265	270	269	271	269	317	406	445	450	448	445	448	446	446	446	446	446	444	449	446	447	449	446	448	448	446	449	449	447	449	444	449	449	448	448		
TBIN	U001	554	551	521	502	400	350	351	349	349	351	352	351	349	350	349	351	351	398	477	556	551	551	552	551	550	550	549	601	599	600	600	600	600	600	600	548	449	451	558	696	686	687	686	688	688	689	686	687	
TBIN	U001	541	554	535	503	402	354	354	353	354	356	354	354	352	354	355	353	355	406	467	562	554	553	553	555	553	556	563	567	604	607	604	605	606	601	605	556	449	454	566	694	697	691	685	694	690	690	693	691	
TBIN	U004	895	853	852	853	853	852	853	853	853	851	851	852	854	851	854	852	853	852	853	852	853	852	853	852	853	851	852	853	852	853	852	855	855	851	853	853	854	852	883	883	884	885	883	883	883	883	884	884	
Total ST-Coal		8457	8284	8052	7772	7569	7367	7206	6941	6825	6843	6807	6673	6678	6733	6816	6825	7220	7532	7970	8001	7978	7971	7983	8104	8112	8110	8271	8398	8230	8247	8244	8249	8247	8244	8086	7648	7683	8149	8509	8652	8666	8654	8661	8663	8730	8725	8723		
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		
CBPS	BLK2	356	356	358	357	357	357	357	357	365	357	253	332	337	367	353	332	360	353	361	352	357	357	360	359	359	359	360	359	356	356	360	360	360	360	359	359	359	349	357	357	364	357	350	356	357	361	354	354	357
NPRI	BLK1	518	516	520	515	516	525	518	525	526	525	525	524	526	525	523	518	525	524	525	511	525	523	519	525	521	515	527	514	518	525	525	524	524	525	515	516	522	522	523	528	519	510	513	514	523	520	511	517	
NPRI	BLK2	507	496	506	500	503	514	504	527	527	490	496	499	524	508	489	517	517	518	477	515	517	518	477	515	515	509	517	515	491	517	489	495	518	517	516	518	517	494	504	0	0	0	0	0	0	0	0	0	0
PCGP	PGRG	591	589	595	589	588	602	592	602	602	600	603	602	602	602	599	595	603	601	603	584	602	602	593	601	597	589	602	588	594	602	603	602	602	601	589	591	585	602	603	608	595	581	587	590	601	596	585	592	
SGRI	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
SPGP	BLK1	720	719	719	718	720	721	722	718	719	719	719	719	720	719	720	720	720	718	721	721	720	720	719	720	719	720	720	719	719	719	720	718	719	719	719	721	719	720	721	718	720	719	720	718	720	665	0	0	0
SPGP	BLK2	720	719	719	718	719	718	719	718	719	719	718	718	719	720	719	719	718	718	718	718	717	719	719	719	719	720	718	718	718	719	719	717	718	719	717	718	719	718	724	720	718	718	717	717	718	718	717	719	
TJGS	GT1B	169	166	169	169	166	168	167	170	168	167	170	169	168	167	171	170	165	168	171	163	168	164	170	168	166	166	168	165	169	166	168	169	171	170	167	166	218	223	224	222	220	226	224	226	220	226	225		
TJGS	ST1C	89	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	108	115	115	115	115	115	115	115	115	115	115	115		
TJGS	GT2B	155	155	155	155	155	156	156	153	153	153	154	154	154	153	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	220	220	218	220	220	219	220	220		
TJGS	ST2C	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	123	123	120	120	120	120	120		
Total CCGT-Gas		3924	3901	3926	3906	3909	3945	3920	3958	3963	3952	3817	3899	3909	3962	3932	3882	3948	3941	3953	3865	3945	3937	3928	3947	3936	3898	3953	3892	3908	3943	3949	3954	3949	3950	3903	3911	3473	3512	3511	3532	3588	3557	3570	3577	3549	2862	2848	2865	
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
BSIA	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
BSIA	HY02	23	23	24	24	23	23	23	23	12	12	12	12	12	11	12	12	12	12	12	11	11	12	12	12	12	11	12	11	12	12	12	12	12	11	12	11	11	22	22	21	21	21	20	21	11	21	21	11	
BSIA	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	0	0	0	0	0	0	0	0	0	0	0	
CEND	HY01	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
CEND	HY03	8	8	8	8	8																																												

Daily MW Generation on Tuesday

		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								
PGAU	HY03		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	111	21	21	20	20	21	20	20	21	20	21	20	21	
PGAU	HY04		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	110	21	21	21	20	20	20	21	21	20	21	20	21	
SIHY	HY01		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	31	31	47	31	31		
SIHY	HY02		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	30	30	30	31	
SIHY	HY03		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	30	30	30	30	50	31	
SYPS	HY01		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	23	24	17	16	
SYPS	HY02		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	17	17	16	
SYPS	HY03		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	0	16	16	16	
SYPS	HY04		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	0	17	17	16	
TMGR	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	-1	-1	-1	-1		
TMGR	HY03		-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		
TMGR	HY04		40	39	41	40	42	40	43	69	41	41	41	41	42	42	49	38	41	41	42	85	41	39	85	40	42	44	42	40	38	41	42	
UJLI	HY01		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	83	-1	-1	-1	-1	-1	-1	-1	-1	173	105	92	86	
UJLI	HY02		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	94	94	92	93	94	86	-1	100	-1	-1	90	84	85	
UPIA	HY01		6	6	5	6	6	5	5	6	6	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	5	5	6	
UPIA	HY02		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	5	5	5	5	5	5	
Total Hydro			516	425	270	374	372	277	272	311	339	259	292	372	374	409	405	278	363	544	552	387	403	586	721	772	730	717	679	713	623	870	832	856
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
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	0	0	0	0	0	0	0	0
PCUF	CUFG		4	2	4	3	4	4	4	3	3	4	3	3	2	2	4	3	3	3	3	4	4	3	3	3	4	2	2	2	4	4	3	
PCUF	CUFK		2	3	4	3	3	5	3	3	3	3	4	3	2	2	3	5	3	1	4	5	3	2	2	3	3	5	4	2	3	3	2	
Total Co-Gen			6	5	8	6	7	9	7	6	6	7	7	7	6	4	4	7	8	6	3	6	9	6	4	6	6	6	6	8	5	7	6	8
Total Gen			12903	12615	12256	12058	11857	11598	11405	11216	11133	11061	10923	10951	10967	11052	11074	10991	11189	11794	12185	12461	12594	12792	13004	13029	13095	13057	13059	13231	13301	13347	13318	
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	
TIE-HVDC			31	30	30	29	29	30	30	30	30	31	31	31	31	30	30	29	29	30	30	31	31	30	30	30	29	29	29	29	31	29	31	
TIE-PLTG			-34	-9	-54	-13	-15	-67	-45	-80	-61	-19	-17	-13	-10	-49	-30	-37	-57	-63	-30	-48	-66	-49	14	-70	-36	-32	-60	4	-28	-64	-46	
Interconnection			-3	21	-25	17	14	-37	-15	-50	-31	12	13	17	21	-18	0	-8	-28	-32	0	-18	-35	-20	43	-40	-6	-2	-30	35	2	-34	-16	
System Total			12909	12597	12284	12044	11847	11639	11424	11270	11168	11053	10914	10938	10950	11074	11078	11003	11220	11829	12188	12482	12632	12815	12964	13072	13104	13062	13092	13199	13302	13384		
SRev ST-Coal			748	851	870	897	903	903	951	953	952	952	953	949	950	953	952	954	946	877	877	877	880	876	875	882	878	850	820	820	816	819		
SRev CCGT-Gas			265	288	263	283	280	244	269	231	226	237	372	290	280	227	257	307	241	248	236	324	244	252	261	242	253	291	236	297	281	246		
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		
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		

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		
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 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		825	825	926	825	825	926	926	926	926	926	926	825	825	825	674	775	926	825	825	825	825	825	638	638	638	638	825	638	825	638	638	487	638	638	638	825	174	274	274	187	0	151	277	464	464	0	151	151	
Hydro		135	226	180	177	178	172	177	138	110	190	157	178	176	141	296	322	187	107	99	264	248	165	217	166	208	221	72	225	128	168	202	329	203	201	217	115	412	762	983	695	814	743	675	564	699	629	680	851	
S.Reserve Total		1973	2190	2339	2182	2186	2245	2323	2248	2214	2305	2407	2246	2234	2142	2177	2357	2306	2134	2106	2290	2194	2119	1996	1922	1974	2032	2011	2010	2054	1872	1896	1870	1902	1895	1967	2066	1608	2025	2212	1628	1517	1628	1684	1742	1910	1336	1553	1711	