

Daily System Generation Summary on Tuesday

Tuesday, May 18, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,372 MW
Distillate	0 MW
Total TNB	2,372 MW
Total IPP	17,179 MW
Total Co-Gen	0 MW
Total System	23,102 MW

Generation Mix

Type	MWh	Percentage
Hydro	13,496	3.71 %
Gas	50,287	13.84 %
Total TNB	63,783	17.55 %
ST-Coal	220,889	60.77 %
LSS	2,899	0.80 %
Gas	75,425	20.75 %
Total IPP	299,213	82.32 %
Co-Gen	164	0.05 %
Total Co-Gen	164	0.05 %
Total Generation	363,160	99.91 %
PLTG	-1,036	-0.29 %
HVDC	720	0.20 %
Interconnection	-316	-0.09 %
Net Energy	363,476	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:	14:30:00 Hour
Total Set On Bus	18,090 MW
TNB Generation	3,132 MW
IPP Generation	13,698 MW
Spinning Reserve	1,256 MW
Maximum Demand	16,893 MW
Net Energy	363,476 MWH
Load Factor	89.65 %

Fuel Cost

Total Cost:	51,596,031.08 RM
Cost per Unit	14.21 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	212
Hydro	454
Syncon	443
Thermal	207
Total	1,316

Time Weather Temperature

Afternoon	Rainy	31
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	50
TJGS	188
Total TNB	238
CBPS	54
NPRI	155
PGLA	31
PLPS	56
Total IPP	296
Total Gas	534
Total Gas Required	534

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	14770	14066	13566	13186	12965	12701	12833	12871	13396	15154	16118	16758	16705	16489	16838	16812	16733	16354	15544	15539	16320	16371	15722	15317

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, June 4, 2021 9:56:11 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	693	695	692	568	344	350	349	351	351	351	352	349	351	349	351	452	449	450	451	605	692	691	691	694	692	692	693	692	693	692	692	602	694	691	693	693	690	694	667	601	600	602							
JMAH	U002	695	694	696	588	349	356	353	355	354	354	353	354	353	354	454	454	453	453	610	694	696	694	697	694	696	697	696	696	698	696	698	700	693	697	605	693	695	694	698	697	695	695	695	601	603				
JMHE	U001	978	980	961	897	897	900	824	827	830	828	828	830	831	833	831	831	903	983	978	980	979	980	978	979	980	982	981	984	977	980	980	978	979	978	981	979	985	977	978	977	979	980	982	979	981	977			
JMHE	U002	979	981	959	896	899	901	858	828	832	829	827	830	833	828	831	832	835	901	983	977	980	979	980	980	979	981	978	978	980	976	980	980	979	977	974	982	983	979	982	978	980	980	979	981	979	976	979	976	
JMJG	U001	666	668	671	669	670	671	674	651	592	598	598	596	598	601	596	671	672	675	670	676	672	672	674	677	668	671	672	674	608	601	598	596	596	596	605	596	597	598	598	597	600	585	637	593	585	586	593	598	
JMJG	U002	673	672	672	671	676	672	669	654	594	601	596	597	599	596	607	658	671	666	678	669	673	678	667	674	667	679	673	669	673	676	674	672	668	678	666	669	669	672	668	667	673	665	673	668	674	672	668	672	
JMJG	U003	668	660	663	662	666	667	668	645	590	593	595	596	594	593	604	655	669	667	663	661	666	655	651	654	654	652	649	654	662	663	661	666	666	666	664	666	666	662	659	656	656	669	661	660	667	668	664	659	666
JMJG	U005	882	884	884	884	884	886	825	827	829	829	828	828	829	834	833	830	830	890	892	891	891	889	888	890	890	890	880	888	888	890	888	888	891	889	892	887	892	894	894	891	889	891	887	895	892	891	887	887	
PKLG	U004	276	186	164	151	153	153	150	150	154	154	154	156	155	154	153	153	154	260	276	278	278	277	277	285	278	274	275	274	277	277	277	277	277	276	277	276	278	276	274	272	276	275	230	264	277	276	237		
PKLG	U006	449	394	294	272	268	267	271	271	267	268	270	270	267	269	269	272	269	354	436	447	445	447	449	450	449	449	446	450	449	448	450	447	448	448	446	449	449	447	446	449	449	446	422	450	448	446	400		
TBIN	U001	500	500	500	500	481	452	450	450	450	449	450	450	450	451	452	571	600	599	689	689	682	689	691	689	689	689	687	690	690	687	689	691	689	688	688	688	689	689	689	689	689	690	687	689	600	599	598	601	
TBIN	U002	540	500	504	505	483	454	454	453	453	454	453	453	453	451	452	536	603	602	686	689	691	691	691	687	691	691	691	695	691	691	687	690	691	684	694	690	694	690	690	689	689	689	690	678	602	589	600		
TBIN	U003	524	502	503	504	487	453	453	453	454	454	454	454	454	454	542	601	599	659	691	692	693	690	691	692	690	690	692	687	690	694	688	686	690	692	689	689	697	689	689	692	694	691	687	687	596	601			
TBIN	U004	983	921	902	902	903	903	833	833	833	833	834	833	833	833	835	908	984	982	983	983	983	983	983	983	983	983	983	984	983	982	983	982	983	982	982	984	983	983	982	983	983	982	984	982	983	983			
Total ST-Coal		9506	9237	9065	8669	8160	8085	7831	7748	7583	7594	7593	7599	7598	7604	7616	7797	8120	8934	9268	9496	9541	9837	10007	10029	9999	10022	10004	10008	9969	9947	9947	9950	9943	9948	9942	9945	9947	9769	9951	9926	9946	9929	9976	9877	9805	9659	9456	9903	
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	359	360	356	361	361	363	362	354	362	358	362	362	362	358	358	355	357	349	362	354	364	364	363	360	363	359	352	354	349	360	355	354	362	363	354	345	355	365	363	364	362	359	363	360	352	359	355	354	
EMPP	BLK1	736	736	733	736	737	738	743	734	752	742	736	743	749	748	728	727	741	731	739	726	745	748	743	748	737	730	720	713	715	719	715	717	734	730	705	698	707	738	741	743	745	741	739	735	722	738	734	727	
GLGR	GT01	68	68	68	67	67	68	67	68	68	67	67	68	68	68	67	68	67	68	68	104	104	105	103	104	104	103	104	104	105	104	103	105	104	103	102	68	69	68	70	68	68	66	67	68	68	67	68	67	
GLGR	GT02	68	68	68	68	68	68	68	68	68	67	68	68	67	68	68	68	68	68	105	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	67	68	68	68	68	68	67	68	67	68	67	68	
GLGR	ST1C	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	90	94	94	94	94	93	94	93	94	93	94	93	94	94	94	94	94	94	76	74	73	73	74	72	72	72	72	72	72		
NPRI	BLK1	520	519	510	514	445	444	447	436	399	395	392	397	398	496	513	508	518	506	516	508	521	521	523	520	518	512	506	507	509	515	509	511	520	520	506	502	508	521	521	520	520	520	520	520	519	508	517	515	509
NPRI	BLK2	523	492	509	514	493	467	516	472	527	487	366	398	421	445	518	493	522	487	519	491	523	523	525	521	520	514	488	492	494	517	497	500	521	522	490	476	484	518	522	522	523	522	522	523	494	518	518	497	
PCGP	PGRG	601	604	591	596	599	598	601	588	601	597	594	602	601	602	592	587	600	585	595	587	603	603	607	604	600	594	583	584	587	595	590	590	602	603	584	576	586	603	604	602	603	603	601	603	588	598	595	590	
PGLA	GT12	0	0	44	117	234	149	159	154	159	157	155	158	159	157	156	152	158	154	155	218	223	224	224	223	221	220	217	218	214	222	215	216	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PGLA	ST10	0	0	0	70	117	96	89	89	90	89	89	89	90	89	89	89	88	90	112	113	114	114	115	114	113	113	114	111	113	113	111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PLPS	GT11	128	128	129	128	129	128	129	128	128	129	128	128	129	128	128	128	129	128	129	128	129	129	129	129	129	128	125	126	121	130	126	126	127	130	109	109	111	112	112	128	129	129	128	128	126	128	127	125	
PLPS	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	75	115	113	114	119	120	137	135	136	136	136	134	136	135	133		
PLPS	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	63	143	141	137	137	142	141	108	107	108	0	0	0	0	0	0	0	0	0	0	0
PLPS	ST18	58	57	57	57	57	57	58	58	58	58	58	58	58	58	58	58	57	57	58	58	58	58	58	57	58	58	142	142	142	141	143	154	195	195	194	159	132	142	140	141	141	141	141	140	141	140	141	139	
SPGP	BLK2	717	718	717	717	718																																												

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																									
HTRG	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																									
HTRG	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																										
KNRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	23	22	22	22	22	22	22	23	23	23	22																										
KNRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	21	21	21	21	20	21	21	20	21	21	21																										
KNRG	HY03	21	22	21	22	21	22	22	21	22	22	21	23	23	23	21	21	21	20	21	20	21	21	21																										
KNYR	HY01	-1	-1	-1	-1	98	98	98	98	98	98	98	58	-1	-1	-1	-1	56	58	61	61	61	57	56																										
KNYR	HY02	59	72	58	58	98	97	97	94	98	98	95	98	99	99	59	57	57	58	59	90	99	101	61																										
KNYR	HY03	-1	-1	-1	-1	98	98	98	98	98	98	98	98	99	58	-1	-1	-1	-1	52	55	55	55	52																										
KNYR	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61	64	66	59	58																											
LPIA	HY01	20	18	19	19	19	19	19	19	19	19	19	20	20	20	20	20	20	20	20	20	20	20	20																										
LPIA	HY02	20	18	18	18	18	18	18	18	18	18	19	20	20	20	20	20	20	20	20	20	19	19																											
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																										
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1																										
PGAU	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	21																										
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	31	31	31	31	31																										
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	31	31	31	31	31	31	31	31	31	31	31																										
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	31	31	31	31	31	31	31	31	31	31	31																										
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17																										
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17																										
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17																										
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17																										
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	39	40	51	41	41	50	41																										
TMGR	HY02	44	59	43	43	43	56	43	82	46	44	45	65	43	43	41	43	42	44	41	79	87	88	44																										
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	33	33	33	30	31	31																										
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	34	34	34	34	34	33	31																										
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	6	6	5	5	6	6	6	5	5	6	6																										
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																										
Total Hydro		233	254	223	225	450	450	463	446	490	454	448	453	474	453	333	221	224	223	227	378	540	598	670	669	668	616	603	707	706	751	708	708	886	831	763	659	618	672	629	946	938	1037	894	805	543	447	537	514	
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	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	2	5	9	8	13	14	15	21	19	26	27	20	20	18	18	14	13	2	10	10	7	5	2	1	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	1	6	6	10	13	11	17	23	23	30	30	30	30	22	29	30	29	26	22	16	14	10	2	1	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	2	5	9	12	20	17	16	13	30	18	9	10	18	7	14	15	18	27	19	14	11	12	5	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	1	2	6	7	11	16	24	26	18	24	23	14	19	24	4	19	29	15	19	12	7	3	1	1	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	2	5	9	13	23	27	32	39	29	29	39	41	37	40	15	10	10	9	7	7	6	0	1	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	2	3	6	8	9	17	11	26	23	21	14	14	8	13	0	0	2	3	3	3	2	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	2	6	6	13	22	27	28	19	39	3	2	7	17	42	43	26	36	31	27	20	17	9	5	1	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	1	3	9	18	39	36	16	19	24	42	44	36	50	43	38	44	36	35	31	9	7	4	2	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	2	7	12	15	21	16	25	19	37	19	8	18	26	14	7	17	25	35	31	20	21	12	7	2	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	2	3	7	11	19	21	17	29	30	30	12	8	6	5	10	28	27	27	10	12	11	9	4	2	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	2	5	12	19	25	30	32	39	31	37	32	36	41	46	41	28	34	21	2	7	6	5	3	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	2	4	8	12	20	32	24	18	35	29	6	4	3	2	2	3	5	8	9	6	3	2	1	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	1	4	6	15	23	20	25	36	35	43	34	46	26	34	39	37	21	17	25	22	19	13	5	1	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	1	4	6	12	15	18	19	14	13	19	25	24	23	14	10	23	19	3	7	15	4	3	1	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	2	6	12	16	17	27	28	27	30	30	30	30	30</																								

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	
Total Co-Gen		8	7	7	6	8	8	6	6	6	5	7	6	6	6	7	7	8	7	7	7	6	6	8	7	6	9	7	8	7	4	7	7	10	8	7	8	7	7	7	5	9	5	8	8	8	4	6	6
Total Gen		14738	14339	13981	13758	13550	13351	13166	12970	12912	12827	12688	12754	12811	12905	12856	12881	13340	14554	15138	15712	16071	16459	16714	16789	16717	16592	16465	16675	16776	16834	16744	16755	16669	16641	16421	15959	15568	15390	15550	16333	16343	16410	16318	16114	15692	15533	15268	15105
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	29	31	31	29	31	31	31	30	30	29	29	31	31	31	31	30	30	31	31	31	31	29	29	30	30	29	29	31	31	30	31	31	31	30	30	30	30	29	29	29	29	31	30	29	30	29	
TIE-PLTG		-56	-95	-108	-58	-38	-51	-44	-18	-76	-45	-35	-61	-46	-32	-39	-36	-79	0	-40	-18	-70	-72	-66	-7	-12	-70	-47	-75	-85	-83	-91	-66	-88	-49	44	18	1	-19	-11	15	1	-13	-75	-42	-52	4	-72	-18
Interconnection		-25	-66	-78	-27	-9	-20	-13	12	-46	-15	-6	-32	-15	0	-8	-6	-49	29	-9	14	-40	-41	-37	21	19	-40	-17	-46	-55	-52	-61	-35	-57	-18	74	48	31	11	18	44	30	16	-46	-11	-23	33	-42	12
System Total		14770	14412	14066	13792	13566	13378	13186	12965	12965	12849	12701	12793	12833	12912	12871	12894	13396	14532	15154	15705	16118	16507	16758	16775	16705	16639	16489	16728	16838	16893	16812	16797	16733	16666	16354	15918	15544	15386	15539	16296	16320	16401	16371	16132	15722	15507	15317	15100
SRev ST-Coal		357	488	542	795	785	783	848	906	990	991	990	990	991	984	988	870	842	768	474	336	292	307	182	160	190	167	185	181	130	152	152	149	156	151	157	154	152	277	148	173	153	170	163	196	264	352	477	534
SRev CCGT-Gas		446	596	792	771	860	982	938	1025	980	1030	1157	1108	1077	966	889	955	881	522	355	246	143	126	128	144	155	188	268	325	243	166	227	221	114	251	315	626	943	833	782	209	217	225	221	233	308	237	387	467
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		779	779	779	779	577	577	577	577	577	577	577	577	577	577	779	779	779	779	678	490	403	403	403	403	490	490	403	403	403	403	403	403	252	403	403	591	592	505	505	403	403	403	403	403	591	591	591	591
Hydro		153	122	153	151	104	104	91	108	64	100	106	101	80	101	221	155	152	153	149	249	275	304	418	523	524	484	497	580	581	536	579	579	552	456	524	440	380	413	456	341	499	400	543	482	470	224	134	187
S.Reserve Total		1735	1985	2266	2496	2326	2446	2454	2616	2611	2698	2830	2776	2725	2628	2675	2759	2654	2222	1757	1509	1200	1140	1131	1230	1272	1329	1440	1489	1357	1257	1361	1352	1074	1261	1399	1811	2067	2028	1891	1126	1272	1198	1330	1314	1633	1429	1614	1779