

Daily System Generation Summary on Tuesday

Tuesday, April 13, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,186 MW
Distillate	0 MW
Total TNB	2,186 MW
Total IPP	16,564 MW
Total Co-Gen	0 MW
Total System	22,729 MW

Generation Mix

Type	MWh	Percentage
Hydro	16,163	4.32 %
Gas	69,304	18.50 %
Total TNB	85,467	22.82 %
ST-Coal	228,983	61.14 %
LSS	2,824	0.75 %
Gas	56,403	15.06 %
Total IPP	288,210	76.95 %
Co-Gen	157	0.04 %
Total Co-Gen	157	0.04 %
Total Generation	373,834	99.81 %
PLTG	-10	0.00 %
HVDC	-691	-0.18 %
Interconnection	-701	-0.19 %
Net Energy	374,535	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:	15:30:00 Hour
Total Set On Bus	18,506 MW
TNB Generation	4,533 MW
IPP Generation	12,955 MW
Spinning Reserve	1,013 MW
Maximum Demand	17,596 MW
Net Energy	374,535 MWH
Load Factor	88.69 %

Fuel Cost

Total Cost:	54,738,987.85 RM
Cost per Unit	14.64 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	241
Hydro	465
Syncon	343
Thermal	209
Total	1,258

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	54
SRDG	1
TJGS	195
Total TNB	250
CBPS	49
NPRI	159
PLPS	59
YPKA	34
Total IPP	301
Total Gas	551
Total Gas Required	551

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	15620	14914	14288	13986	13691	13725	13718	13518	13754	15295	16046	16519	16500	16428	17074	17400	17586	16760	16093	15915	16448	16678	16349	16012

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, May 7, 2021 1:48:43 PM

(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	693	690	692	692	692	691	693	691	691	691	693	691	693	689	694	691	693	692	692	693	689	692	690	693	692	694	692	690	691	693	692	693	691	691														
JMAH	U002	695	697	697	694	693	696	695	692	696	696	694	698	692	694	698	698	700	697	696	695	697	695	697	695	695	697	698	698	694	695	698	697	696	697	694	697	697												
JMHE	U001	981	981	977	900	900	898	828	827	828	830	831	826	829	829	834	828	830	830	961	976	979	978	982	981	980	978	984	981	979	983	981	978	978	976	980	983	980	984	983	981	981	979	980	981	977	978			
JMHE	U002	981	982	980	898	902	898	832	826	830	829	830	829	828	831	833	828	827	831	832	830	986	976	980	979	980	980	980	976	982	979	981	982	978	977	977	975	979	984	982	980	985	984	979	977	980	978	978	980	
JMIG	U001	606	607	607	612	581	550	546	548	548	544	546	549	546	548	555	596	599	612	594	599	597	629	626	623	626	629	629	672	672	673	668	670	675	669	667	651	639	674	671	673	671	671	672	671	667	676	669		
JMIG	U003	600	594	596	596	554	546	545	546	551	545	545	548	548	549	545	545	596	595	596	610	591	600	620	634	622	628	626	624	645	656	677	672	677	676	651	645	643	643	667	668	671	672	671	672	673	666	671	668	
JMIG	U004	878	878	879	878	873	834	834	833	834	834	834	836	835	835	835	834	834	833	840	883	882	883	882	882	881	885	882	881	890	892	892	891	894	891	894	891	894	891	892	892	895	892	892	894	892	892	894	892	894
JMIG	U005	891	891	889	889	881	831	829	829	831	830	830	829	834	833	829	830	829	829	832	847	892	892	891	890	892	892	889	896	891	890	891	890	891	891	891	890	891	890	892	892	892	891	894	888	894	889	891	890	
PKLG	U003	276	277	275	279	278	276	279	275	277	276	277	276	276	275	276	275	276	277	277	272	274	271	274	273	273	272	270	270	274	272	272	273	273	271	273	275	275	275	275	276	274	273	271	274	272	276	275		
PKLG	U004	269	276	276	275	275	273	273	273	276	277	277	272	278	276	277	275	277	279	276	276	274	275	274	275	279	278	275	277	275	276	275	274	276	270	274	278	276	276	278	279	272	276	276	277	277	277	270		
PKLG	U006	446	445	449	448	446	450	449	445	445	448	445	448	447	447	448	446	449	446	450	453	452	448	450	448	448	446	445	446	449	449	449	449	449	449	449	451	448	444	449	450	449	448	446	448	450	446	448		
TBIN	U001	684	691	691	690	689	687	690	688	692	688	689	687	689	690	691	692	690	688	690	690	691	690	687	689	687	690	690	690	690	689	690	687	688	689	688	689	688	690	691	691	691	684	689	690	689	689	690	688	689
TBIN	U002	694	695	694	693	693	692	697	691	693	695	692	687	692	691	697	695	694	692	692	697	692	696	692	690	692	693	692	695	695	693	693	696	693	691	692	698	693	694	694	694	695	693	692	691	691	693	692	693	
TBIN	U004	983	984	982	924	902	862	834	832	834	833	832	833	834	834	835	832	833	834	833	833	890	980	984	983	984	983	984	981	981	982	983	982	984	984	984	984	983	982	982	983	982	984	983	983	982	981	984	983	983
Total ST-Coal		9677	9691	9682	9468	9359	9185	9023	8996	9028	9019	9011	9004	9029	9023	9034	9021	9116	9120	9148	9167	9571	9675	9726	9738	9728	9742	9738	9725	9809	9820	9841	9837	9838	9836	9799	9804	9788	9790	9842	9848	9844	9843	9840	9824	9839	9828	9835	9825	
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	
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	287	219	227	230	230	217	224	211	220	234	226	217	234	233	212	226	291	357	361	359	352	360	353	356	354	358	354	351	355	357	360	366	360	358	348	357	358	357	350	357	356	357	359	361	359	360	353	353	
GLGR	GT01	67	69	68	67	67	67	70	67	68	69	67	67	67	68	67	68	67	95	105	104	103	103	103	104	104	104	104	105	105	105	102	104	104	103	104	104	105	106	105	106	106	107	104	105	106	105	106	68	
GLGR	GT02	67	68	68	68	68	67	68	67	67	68	67	67	67	69	68	68	66	96	104	104	104	104	104	104	104	104	104	104	104	104	103	104	103	103	103	103	103	102	103	103	103	102	103	103	103	103	103	67	
GLGR	ST1C	72	72	72	72	73	72	72	72	72	72	72	72	72	72	72	72	72	85	93	93	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	93	93	93	93	94	93	93	93	93	93	75			
NPRI	BLK1	520	525	527	526	526	511	525	505	524	529	525	517	525	523	511	523	526	526	525	524	518	518	516	521	517	520	520	509	521	525	526	529	525	524	505	516	523	523	517	526	524	523	524	524	526	524	511	512	
NPRI	BLK2	526	529	529	527	528	513	431	488	378	451	433	431	517	514	404	456	524	523	523	517	516	515	519	514	520	517	506	517	523	524	529	522	517	504	512	521	518	515	526	523	520	523	523	521	522	508	508		
PCGP	PGRG	597	457	350	352	260	441	603	527	402	407	403	402	261	262	262	260	259	602	604	599	593	594	593	596	589	596	592	580	595	603	603	617	602	596	575	590	599	596	590	602	601	602	603	601	601	600	585	582	
PLPS	GT11	126	116	117	117	127	129	129	129	129	129	129	129	128	129	127	128	128	129	130	129	127	127	127	131	112	112	113	127	131	134	133	137	133	130	127	129	134	113	111	115	116	116	115	115	127	127	124	122	
PLPS	GT12	130	121	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
PLPS	GT13	122	113	114	114	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	88	140	140	109	108	108	125	131	129	134	130	127	124	127	130	108	108	112	113	113	112	110	40	0	0	0	0		
PLPS	ST18	206	198	158	133	60	57	57	58	58	57	57	57	58	57	58	56	56	58	60	117	142	142	131	132	134	141	142	140	142	141	140	141	139	139	142	130	131	133	133	133	133	116	61	59	59				
SPGP	BLK1	719	717	720	720	719	721	718	720	719	720	720	720	720	720	719	719	720	719	720	719	720	719	718	719	718	719	718	719	718	719	718	719	718	719	718	719	718	719	718	720	719	718	720	719	717				
SPGP	BLK2	719	719	721	719	720	719	717	720	720	717	720	719	719	720	719	362	529	717	717	719	718	720	719	719	721	719	720	720	718	719	720	720	718	719	720	719	720	719	718	720	719	716	718	720	719	720	722	720	720
TJGS	GT1A	156	155	160	138	139	129	139	118	132	138	131	137	138	140	129	135	134	230	222	227	222	226	229	227	226	226	223	219	226	226	228	226	222	226	213	223	223	228	225	223	226	228	225	227	230	227	223	215	
TJGS	GT1B	157	154	156	1																																													

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
CEND	HY03	10	10	10	10	10	10	10	9	10	10	10	10	10	10	10	10	10	9	10	10	10	10	9	10
CEND	HY04	7	7	7	7	8	8	8	8	8	8	8	8	8	8	7	8	7	8	7	7	7	7	7	7
HTRG	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	65	65	65	63	62	62	-1
KNRG	HY01	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	24	24	24	24	35	35	35
KNRG	HY02	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	23	23	23	23	37	37	36	36
KNRG	HY03	20	21	22	22	21	21	21	20	21	22	21	21	22	37	37	23	23	23	23	35	35	35	35	35
KNYR	HY01	62	62	93	80	80	62	71	59	71	100	78	64	94	97	61	66	99	70	93	82	63	63	63	63
KNYR	HY02	59	58	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	100	99	99	99	99	99	99	99	96	59
KNYR	HY03	98	57	61	59	60	57	-1	-1	-1	-1	-1	-1	-1	-1	99	98	98	98	98	98	53	50	49	52
KNYR	HY04	98	57	60	59	59	57	0	0	0	0	0	0	0	0	100	99	100	100	100	99	99	58	55	54
LPIA	HY01	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	16	16	17	17
LPIA	HY02	15	15	15	15	15	14	14	14	14	14	14	14	14	15	15	15	15	15	15	15	16	16	17	17
MNOR	HY01	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	3	3	4	4
PGAU	HY01	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	21	21	-1
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	21	21	21	-1
PGAU	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
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	21	20	20
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	31	31	31	31	48	47
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	31	31	31	50	50	30
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	31	31	31	50	50	30
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	25	25	25
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	25	25	25
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	25	25	25
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	25	25	25
TMGR	HY01	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	83	86	86	86	86	86	82
TMGR	HY02	46	46	57	47	51	42	45	41	45	55	45	45	56	46	43	45	72	46	56	78	45	46	45	62
TMGR	HY03	32	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	32	32	32	31	32	85	81	32	84
TMGR	HY04	33	33	33	86	86	84	-1	-1	-1	-1	-1	-1	-1	-1	33	33	32	32	32	33	31	32	82	80
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	94	90	91	89	93	88	-1	-1	91
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
UPIA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5
Total Hydro		630	417	408	435	460	405	230	212	230	270	236	223	264	278	218	214	273	218	387	752	693	762	804	809
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	1	2	6	4	2	5	15	27	25	28
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	4	7	12	16	20	23	26	26	25	28	13
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	7	13	17	18	24	27	30	28	27	30	21
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	6	11	16	26	27	22	24	12	34	30	15	34
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	12	25	29	32	25	23	26	23	12
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	4	10	10	8	8	9	5	30	29	6	5
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	4	9	17	22	30	33	37	42	33	47	32
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	6	13	20	27	33	32	43	43	50	41	50
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	3	9	17	22	26	29	36	38	16	31	48
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	7	8	5	10	21	17	12	16	12	26
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	6	11	20	15	14	9	8	13	28	42	48
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	7	10	24	31	39	42	48	28	52	52	38
SSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	4	7	13	15	7	20	11	20	32	19	44
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	4	6	10	14	19	8	12	3	5	10	28

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 LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	58	114	194	249	284	306	324	335	401	393	417	468	420	439	347	290	204	132	128	76	42	14	4	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG	4	3	2	2	4	2	3	3	2	4	3	2	3	4	4	4	2	3	3	4	4	3	4	3	4	4	5	4	4	3	4	2	2	5	6	5	2	3	3	3	4	3	5	3	2	4	5	4	
PCUF	CUFK	5	4	3	4	2	3	5	3	3	4	5	3	0	1	5	3	2	3	3	4	3	2	1	4	3	4	3	3	3	4	3	3	2	2	4	3	4	5	3	4	4	3	2	3	3	2	3	3	
Total Co-Gen		9	7	5	6	6	5	8	6	5	8	8	5	3	5	9	7	4	6	6	8	7	5	5	7	7	8	8	7	7	7	7	5	4	7	10	8	6	8	6	7	8	6	7	6	5	6	8	7	
Total Gen		15582	15135	14871	14591	14247	14130	13914	13779	13649	13787	13702	13662	13701	13713	13502	13227	13721	14729	15217	15660	16007	16355	16536	16587	16479	16344	16328	16688	17007	17319	17390	17493	17529	17399	16761	16379	16106	15933	15928	16015	16432	16589	16623	16603	16325	16220	15995	15605	
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		-30	-28	-28	-29	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-28	-29	-29	-29	-28	-28	-29	-29	-30	-30	-29	-29	-29	-29	-28	-28	-28	-27	-28	-28	-28	-30	-28	-30	-28	-30	-28	-28	-29	-29	-28	-28			
TIE-PLTG		-5	-6	-12	-10	-9	33	-40	47	-10	-16	9	34	14	-18	15	-28	0	-20	-45	-36	-7	18	49	29	12	-13	-68	-45	-35	-31	21	-73	-26	-26	32	0	46	13	47	2	15	-1	-22	61	8	25	15	35	
Interconnection		-35	-35	-40	-38	-38	4	-69	18	-39	-45	-20	5	-14	-47	-13	-56	-29	-49	-74	-64	-36	-11	20	-1	-18	-42	-97	-74	-64	-59	-7	-100	-54	-54	4	-30	16	-15	16	-27	-13	-31	-52	33	-21	-4	-14	6	
System Total		15620	15173	14914	14632	14288	14129	13986	13764	13691	13835	13725	13660	13718	13763	13518	13286	13754	14782	15295	15728	16046	16369	16519	16591	16500	16389	16428	16765	17074	17381	17400	17596	17586	17456	16760	16412	16093	15951	15915	16045	16448	16623	16678	16573	16349	16227	16012	15602	
SRev ST-Coal		244	231	240	457	537	637	632	652	627	637	641	645	626	632	629	637	585	589	574	535	332	237	210	198	208	194	198	211	127	116	132	136	135	145	182	177	193	191	139	133	137	138	141	157	142	153	121	131	
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 CCGT-Gas		787	1033	1134	1228	1198	1085	972	1055	1234	1130	1173	1190	1215	1213	1379	1650	1350	369	158	156	331	250	160	159	315	303	528	322	194	158	154	110	170	162	349	339	463	545	567	518	305	344	348	352	422	379	437	673	
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 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	
SRev Co-Gen		0	0	0	0	0	0	0	0	0	0	-2	0	0	0	0	0	0	0	0	0	0	0	1	0	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		615	702	803	803	652	803	991	991	991	991	991	991	991	991	991	991	991	803	428	428	277	302	302	302	615	615	615	428	151	151	151	0	0	187	615	702	803	817	817	716	428	428	428	615	615	615	702		
Hydro		393	305	213	186	312	215	102	120	102	62	96	109	68	205	115	118	58	113	132	243	303	513	446	442	449	290	331	300	547	577	739	617	709	764	562	478	489	454	463	427	321	411	371	370	325	320	497	378	
S.Reserve Total		2039	2271	2390	2674	2699	2740	2697	2818	2954	2820	2899	2935	2900	2890	3114	3396	2984	2062	1667	1362	1394	1277	1119	1101	1274	1402	1672	1448	1296	1002	1176	1014	1014	1071	1280	1609	1847	1993	1986	1895	1479	1321	1288	1307	1504	1467	1670	1884	