

Daily System Generation Summary on Tuesday

Tuesday, April 27, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,517 MW
Distillate	0 MW
Total TNB	2,517 MW
Total IPP	13,974 MW
Total Co-Gen	0 MW
Total System	20,470 MW

Generation Mix

Type	MWh	Percentage
Hydro	32,612	8.70 %
Gas	67,175	17.93 %
Total TNB	99,787	26.63 %
ST-Coal	202,307	53.99 %
LSS	2,963	0.79 %
Gas	67,104	17.91 %
Total IPP	272,374	72.69 %
Co-Gen	160	0.04 %
Total Co-Gen	160	0.04 %
Total Generation	372,321	99.36 %
PLTG	81	0.02 %
HVDC	-2,466	-0.66 %
Interconnection	-2,385	-0.64 %
Net Energy	374,706	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	18,097 MW
TNB Generation	5,246 MW
IPP Generation	11,951 MW
Spinning Reserve	896 MW
Maximum Demand	17,448 MW
Net Energy	374,706 MWH
Load Factor	89.48 %

Fuel Cost

Total Cost:	55,774,519.01 RM
Cost per Unit	14.98 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	412
Hydro	514
Syncon	190
Thermal	107
Total	1,223

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	52
SRDG	4
TJGS	199
Total TNB	255
CBPS	12
KLPP	51
NPRI	145
PLPS	86
SGB3	81
Total IPP	375
Total Gas	630

Total Gas Required 630

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	15433	14753	14286	13886	13604	13553	13648	13378	13899	15513	16308	16757	16757	16630	17123	17428	17289	16732	16102	15939	16607	16743	16428	16039

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, May 7, 2021 1:59:04 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	703	699	702	702	702	702	702	701	702	705	702	701	696	700	701	702	701	699	704	673	701	703	701	703	700	703	705	700	702	703	701	702	703	703	704	700	703	703	703	701									
JMAH	U002	709	707	710	706	707	707	704	706	704	705	706	705	706	703	699	705	704	708	706	704	705	704	706	707	705	706	709	703	705	706	707	709	705	704	708	706	704	705	710	707	708								
JMHE	U002	982	980	983	983	984	927	880	878	883	878	879	883	872	876	878	879	881	984	976	979	981	979	979	979	984	979	979	978	980	977	979	980	977	981	982	980	983	981	981	979	978	979	976	980	980	978			
JMJG	U001	681	680	680	682	678	679	683	678	682	681	677	679	676	679	678	679	680	677	680	673	680	679	678	680	681	673	683	674	678	677	674	677	677	677	664	681	675	677	680	675	680	677	682	678	673	677	677		
JMJG	U002	688	680	694	684	681	690	682	687	684	683	683	679	682	688	688	689	682	687	680	684	683	684	677	681	688	687	683	680	685	685	678	688	683	688	684	686	685	684	678	683	686	684	679	691	681	685	684	683	
JMJG	U003	673	677	680	676	677	677	677	677	677	674	677	678	672	678	677	671	675	679	667	669	671	669	669	673	667	669	676	671	675	675	673	678	676	676	674	672	677	671	677	678	676	676	672	680	678	687	678	669	
PKLG	U003	277	279	280	280	278	279	279	277	278	279	281	280	279	279	280	280	281	279	279	278	281	279	278	280	279	278	279	282	276	277	274	279	278	279	277	278	278	279	276	280	280	274	278	277	277	277	279		
PKLG	U004	274	274	275	275	275	272	272	273	273	277	277	275	277	287	281	276	275	278	271	276	276	275	277	277	278	280	274	278	278	284	280	276	277	281	280	278	278	278	281	278	280	273	276	279	278	279			
PKLG	U006	449	449	449	449	439	445	448	446	446	447	450	450	450	448	449	450	448	448	448	450	447	449	450	448	451	452	384	381	383	378	378	379	379	381	379	379	379	381	383	378	382	381	379	379	386	379	381	379	381
TBIN	U001	698	701	696	699	697	700	699	697	702	697	699	699	699	696	699	699	698	699	697	698	701	698	698	699	699	701	699	695	699	700	699	698	697	698	699	701	698	697	698	698	697	697	698	699	699	699	697	700	
TBIN	U002	699	702	701	702	699	701	705	698	700	701	700	697	701	700	702	703	702	702	700	700	697	705	701	699	701	700	701	701	701	700	707	700	701	700	696	704	699	705	700	701	702	700	702	702	701	701	703	700	
TBIN	U003	701	699	697	702	700	697	699	702	701	699	697	702	699	696	701	699	699	700	697	699	699	703	699	699	695	702	699	702	703	699	699	703	702	700	699	700	700	704	699	698	702	700	696	701	701	700	698	699	
TBIN	U004	983	982	983	983	984	922	883	883	882	884	884	884	883	884	885	884	883	950	983	983	983	983	983	983	983	982	983	984	983	982	982	982	983	981	983	981	983	982	982	983	983	983	983	983	983	984	983	982	
Total ST-Coal		8517	8509	8530	8523	8501	8398	8313	8303	8313	8308	8319	8311	8300	8307	8318	8314	8311	8495	8482	8506	8469	8510	8497	8504	8515	8517	8438	8448	8441	8437	8440	8449	8445	8442	8433	8435	8450	8449	8431	8449	8448	8431	8432	8457	8437	8459	8444	8436	
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	336	344	350	218	223	224	218	226	225	231	228	223	226	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	33	44	3	0	0	0	0	0	0	0	0	
EMPP	BLK1	0	0	0	186	187	187	188	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	85	85	310	311	374	375				
EMPP	BLK2	768	763	764	570	569	570	570	470	374	374	374	373	373	374	374	374	373	374	375	374	374	374	374	501	500	501	500	501	500	501	500	501	500	500	500	501	501	501	501	501	501	501	210	210	190	2	0	0	
GLGR	GT01	84	84	67	68	68	68	68	68	68	67	68	67	68	67	69	69	103	100	100	100	101	101	101	68	68	67	102	100	101	99	100	101	99	102	100	101	102	102	101	101	99	100	71	67	68	68			
GLGR	GT02	84	84	67	67	67	67	67	67	67	66	67	68	66	67	67	68	67	100	99	100	100	100	100	100	67	68	68	101	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	68	68	68	68		
GLGR	ST1C	83	83	73	72	72	72	72	72	72	72	72	72	72	72	72	72	90	91	91	91	91	91	91	91	91	91	75	72	90	91	91	92	91	91	91	91	91	91	91	91	91	91	91	91	78	72	72	72	
KLPP	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	0	0	0	0	0	141	141	141	141	141	141	141	141	141	141	141	110	60	0		
KLPP	GT14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	141	141	141	141	141	141	141	141	141	141	141	141	110	110	110	
KLPP	GT15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	30	30	30	30	50	72	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	110	110	110	
KLPP	ST17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	10	22	41	69	69	69	148	148	148	148	148	148	148	148	148	148	216	216	216	216	216	216	216	216	216	216	216	189	176	129		
NPRI	BLK1	466	473	482	475	398	376	319	326	326	327	321	321	323	360	398	322	509	508	512	506	506	505	505	505	511	506	505	505	506	506	506	505	505	497	505	501	505	508	505	505	505	502	506	493	505	495	500		
NPRI	BLK2	467	475	484	475	398	374	316	323	323	323	317	320	322	357	340	343	485	452	532	518	499	516	511	482	434	518	515	514	514	512	513	512	513	505	514	507	514	516	514	514	511	515	499	511	504	507			
PCGP	PGRG	260	260	270	259	259	261	261	267	268	261	262	268	272	260	262	269	267	272	263	262	261	353	342	266	262	260	262	353	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	102	173	82		
PLPS	GT11	131	135	126	129	129	129	129	129	129	128	128	129	129	127	128	128	127	127	131	131	130	130	130	130	115	115	135	135	134	135	135	136	133	130	134	131	136	135	134	134	134	134	135	130	115	111	112		
PLPS	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	116	143	145	146	146	119	120	138	138	138	138	139	139	138	136	139	136	139	139	137	137	139	138	134	120	116	60			
PLPS	GT13	127	131	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43	146	143	142	142	142	142	142	112	112	131	131	131	130	131	130	129	126	132	128												

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					
SRDG	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	129	131	89	0	0	0	0	0	0	0	0	0	0	0	0							
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	155	259	178	0	0	0	0	0	0	0	0	0	0	0	0	0							
BSIA	HY01	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21		
BSIA	HY02	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	
BSIA	HY03	23	23	23	23	23	23	22	23	23	23	23	23	23	23	23	22	23	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
CEND	HY01	10	9	10	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9			
CEND	HY02	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9		
CEND	HY03	9	10	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9		
CEND	HY04	8	8	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7		
HTRG	HY01	124	124	124	124	125	124	124	123	125	125	124	123	124	125	124	124	124	124	124	123	125	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	125	125	124	124	124	124	124	124	123	125	123	123	124	124	124		
HTRG	HY02	125	124	124	125	124	124	123	124	125	124	124	124	124	124	124	124	124	124	124	124	125	125	124	124	124	124	124	125	125																									

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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
PCUF	CUFG	4	3	3	5	3	3	5	4	4	2	5	2	3	3	3	4	2	4	6	3	5	5	3	3	3
PCUF	CUFK	3	0	4	4	4	3	3	4	3	2	4	2	2	4	3	3	2	2	3	5	4	5	4	3	3
Total Co-Gen		7	3	7	9	7	6	8	7	8	7	4	9	4	7	7	4	6	7	8	3	5	5	5	8	6
Total Gen		15429	15090	14749	14411	14234	14015	13827	13618	13537	13511	13528	13403	13606	13550	13336	13309	13838	14865	15494	15882	16332	16595	16775	16876	16745
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
TIE-HVDC		-28	-29	-29	-29	-29	-30	-28	-28	-29	-29	-29	-29	-29	-30	0	0	0	-28	-292	-291	-293	-289	-289	-292	-289
TIE-PLTG		32	78	32	36	-15	35	-22	-32	-31	-36	11	-24	-5	-15	-7	-7	-25	-3	17	30	31	-25	32	-16	31
Interconnection		3	50	3	7	-45	6	-52	-60	-60	-65	-18	-53	-35	-43	-35	-36	-54	-32	-12	0	31	-25	32	-16	2
System Total		15433	15047	14753	14411	14286	14016	13886	13685	13604	13583	13553	13463	13648	13600	13378	13352	13899	14904	15513	15889	16308	16627	16757	16906	16757
SRev ST-Coal		104	112	91	98	120	223	272	279	273	272	265	276	273	274	264	270	274	126	139	115	152	111	124	117	106
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
SRev CCGT-Gas		953	1063	1233	1432	1652	1693	1806	1781	1808	1797	1816	1848	1829	1606	1594	1671	1338	916	846	791	724	698	600	441	489
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
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
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
Syncon		489	763	612	763	699	850	850	850	850	763	763	576	489	676	525	676	676	338	338	0	87	187	338	676	676
Hydro		408	196	227	202	199	123	116	51	55	50	110	151	139	141	190	299	154	68	238	266	385	371	286	503	413
S.Reserve Total		1954	2134	2163	2495	2670	2889	3044	2961	2986	2969	2954	3038	2817	2510	2724	2765	2442	1786	1561	1510	1347	1267	1197	1399	1684