

Daily System Generation Summary on Tuesday

Tuesday, April 5, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,027 MW
Distillate	0 MW
Total TNB	2,027 MW
Total IPP	17,371 MW
Total Co-Gen	0 MW
Total System	23,677 MW

Generation Mix

Type	MWh	Percentage
Hydro	9,575	2.57 %
Gas	56,528	15.20 %
Total TNB	66,103	17.77 %
ST-Coal	205,947	55.38 %
LSS	2,906	0.78 %
Gas	95,711	25.74 %
Total IPP	304,564	81.89 %
Co-Gen	1,179	0.32 %
Total Co-Gen	1,179	0.32 %
Total Generation	371,846	99.98 %
PLTG	378	0.10 %
HVDC	-435	-0.12 %
Interconnection	-57	-0.02 %
Net Energy	371,903	100.00 %

Maximum Demand Record

Date: 3/29/2022	18,840 MW
Date: 3/10/2020	394,238 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	18,808 MW
TNB Generation	3,472 MW
IPP Generation	13,907 MW
Spinning Reserve	1,384 MW
Maximum Demand	17,484 MW
Net Energy	371,903 MWH
Load Factor	88.63 %

Fuel Cost

Total Cost:	97,410,161.72 RM
Cost per Unit	26.20 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	592
Hydro	482
Syncon	520
Thermal	116
Total	1,710

Time Weather Temperature

Afternoon	Hot	35
Morning	Sunny	26

Gas Usage

Station	(mmcsfd)
GLGR	29
TJGS	174
Total TNB	203
CBPS	47
EMPP	191
KLPP	37
NPRI	137
PCGP	73
PGLA	100
PLPS	56
SPGP	177
Total IPP	819
Total Gas	1,022
Total Gas Required	1,022

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	15350	14436	13923	13581	13315	13425	13526	13374	13956	15516	16254	16640	16483	16314	16904	17256	17484	16825	16197	16110	16466	16610	16190	15719

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, April 29, 2022 9:59:13 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	707	707	699	709	705	705	705	706	705	707	705	708	709	705	705	707	705	705	708	707	705	706	705	706	708	709	705	706	707	707	705	705	707	707	703	708	708	706	704	705	705	705	706	703	708	707	707	706	706		
JMAH	U002	705	706	706	705	707	705	704	705	706	705	707	703	702	702	701	706	704	701	701	704	705	708	706	704	705	707	707	703	706	704	705	707	704	706	705	707	704	708	705	707	706	704	705	707	704	703	705	705			
JMHE	U002	971	951	899	901	899	903	901	879	849	848	850	853	851	851	851	848	851	851	918	976	984	978	981	981	984	979	982	982	978	981	981	982	978	976	980	981	981	982	979	978	979	980	978	981	973	976	980				
JMJG	U001	669	666	668	665	668	669	666	667	664	662	668	672	664	668	666	667	667	668	663	669	666	667	667	666	669	669	667	666	667	666	661	667	668	668	666	662	668	667	668	665	665	665	668	672	666						
JMJG	U002	668	669	672	669	670	667	670	666	672	668	667	672	671	672	668	668	668	670	672	666	668	667	662	669	669	672	667	664	669	667	666	667	666	662	669	670	666	666	670	666	666	670	666	666	670	668	651				
JMJG	U003	661	678	670	670	662	667	670	673	672	666	666	667	671	669	672	662	660	663	683	665	668	678	660	672	668	662	672	677	660	668	677	667	667	662	668	667	678	677	667	673	658	661	679	678	668	673	669	662	674		
JMJG	U005	920	919	899	903	897	902	899	887	850	849	850	848	852	848	852	848	852	850	911	938	939	942	949	944	957	952	955	956	960	952	958	964	967	956	958	956	957	956	957	958	958	954	976	972	972	972	972				
PKLG	U003	278	274	278	277	277	277	270	274	275	283	281	279	274	281	277	276	280	278	277	275	277	276	278	275	277	272	276	274	275	277	274	273	275	276	275	274	273	275	276	272	274	277	277	277	275	281					
PKLG	U004	274	275	272	275	289	276	275	275	273	274	270	273	276	276	273	268	276	274	275	275	277	273	276	277	272	279	275	272	272	279	279	275	290	277	275	272	274	277	275	271	279	279	275	276	272	277					
PKLG	U006	434	436	441	445	439	446	445	445	442	441	443	445	441	446	440	439	446	450	445	443	442	441	443	445	443	442	441	443	445	446	445	448	446	439	438	443	443	443	445	444	445	445	445	445	445	442	435	432			
TBIN	U001	698	698	698	696	700	697	698	698	697	697	699	698	697	698	697	699	696	700	695	697	698	695	698	698	698	699	697	697	697	698	698	696	698	696	698	696	696	698	695	696	698	696	696	697	694	697	697	698			
TBIN	U003	705	698	700	699	699	700	701	700	700	701	699	701	699	698	700	701	702	698	700	701	700	700	700	700	700	702	697	699	699	695	699	699	699	700	701	698	700	701	697	701	700	699	700	698	700	699	698	699			
TBIN	U004	939	939	906	904	905	903	902	892	850	852	852	854	852	854	853	851	854	854	852	930	939	939	937	937	937	935	937	937	936	937	937	936	937	930	937	939	938	941	935	937	936	939	939	940	941	938	937	937	938	937	939
Total ST-Coal		8629	8616	8508	8518	8517	8517	8506	8467	8355	8353	8355	8369	8366	8362	8362	8342	8354	8356	8382	8561	8659	8683	8661	8683	8667	8688	8677	8688	8674	8677	8681	8694	8697	8697	8679	8694	8685	8680	8677	8671	8680	8687	8688	8698	8696	8691	8675	8680			
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			
CBPS	BLK2	361	250	227	220	224	221	228	228	225	223	227	221	226	224	224	225	354	361	354	361	362	357	362	351	343	216	352	357	358	357	358	357	358	366	363	354	348	305	228	306	349	356	348	363	356	356	296	217	222		
EMPP	BLK1	709	708	711	709	559	534	504	430	444	453	489	447	474	549	460	472	705	703	704	688	703	706	701	702	692	691	693	693	699	702	697	703	706	706	695	700	705	711	722	682	690	685	705	698	692	691	696	553			
EMPP	BLK2	710	708	712	709	558	533	505	430	444	451	488	449	473	549	460	471	657	705	704	688	703	706	702	702	692	691	693	693	698	703	697	703	705	706	695	699	704	711	722	682	690	687	702	698	691	691	696	553			
GLGR	GT02	93	96	96	96	96	96	96	96	95	96	96	96	97	95	96	96	96	95	96	96	96	95	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	95	95	95	93					
GLGR	ST1C	41	40	40	40	40	40	41	41	40	41	40	40	41	41	40	40	40	40	40	41	40	41	41	41	41	40	41	40	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40					
KLPP	GT13	124	124	124	124	123	123	124	124	123	124	123	124	123	128	124	124	124	124	124	124	124	123	124	120	124	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120				
KLPP	ST17	66	66	67	66	66	66	66	66	66	66	66	66	66	68	66	66	66	66	67	71	72	71	67	67	67	66	65	66	66	66	67	65	67	66	66	65	66	66	67	65	65	65	67	65	65	66	67				
NPRI	BLK1	514	447	401	350	310	311	309	316	310	309	310	311	322	310	312	310	337	510	511	497	508	509	506	509	499	477	494	493	500	500	495	505	506	505	496	497	505	451	527	502	505	506	518	512	506	493	495	446			
NPRI	BLK2	518	449	400	350	309	310	307	309	310	309	309	309	309	309	309	309	310	513	512	514	512	517	510	513	501	477	498	498	503	505	499	508	511	508	499	500	507	452	532	505	511	509	524	516	511	496	499	448			
PCGP	PGRG	260	263	266	261	261	263	263	270	262	261	261	264	279	263	262	263	339	401	505	585	598	603	599	600	587	588	590	589	595	598	590	602	606	603	591	593	603	608	617	579	587	583	603	593	585	588	590	603			
PGLA	GT11	174	174	177	175	175	176	175	176	175	174	175	174	180	175	175	175	175	174	174	170	173	175	214	215	169	166	166	167	168	211	216	217	216	165	167	170	172	175	164	166	192	171	168	167	167	168	171				
PGLA	GT12	179	179	180	178	179	180	179	180	179	178	179	179	183	181	179	180	179	179	174	177	178	217	218	173	171	170	170	171	172	217	217	217	216	169	172	174	176	179	169	169	196	175	172	172	171	171	175				
PGLA	ST10	208	206	207	207	207	207	207	207	207	207	207	207	207	206	206	206	206	206	206	208	208	237	238	216	203	204	202	204	205	241	238	240	240	209	205	206	206	208	203	206	204	203	204	204	204	204					
PLPS	GT11	111	111	112	112	111	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65	141	138	139	125	111	114	133	134	73	0	0	0	0	0	0	0	0	0	0	0				
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	4	99	129	115	120	139	139	115	117	119	123	14	0	0	0	0	0	0	0	0			
PLPS	GT13	149	150	150	150	151	123	125	124	125	125	125	125	124																																						

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	HY04	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	62	62	62	63	63
HTRG	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	4	3	3	3	3	3	3	3	7
HTRG	HY04	7	7	7	7	7	7	7	7	7	7	7	7	7	4	4	4	3	3	3	3	3	3	3	7
KNRG	HY01	34	34	34	34	34	34	34	34	34	34	34	34	34	34	35	35	35	35	35	35	35	35	35	35
KNRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	37	37	37	37	37	37	37	37	37	37	37
KNRG	HY03	37	37	37	37	37	37	37	37	37	37	37	37	37	36	36	36	36	36	36	36	36	36	36	36
LPIA	HY01	20	19	19	18	18	18	17	17	17	17	21	21	21	21	21	21	21	21	21	21	21	21	22	22
LPIA	HY02	20	19	19	19	18	18	18	16	16	16	16	16	17	18	18	18	19	19	19	19	19	21	21	22
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	3
PGAU	HY03	20	20	20	20	21	21	21	20	20	20	20	21	21	21	20	20	20	20	20	20	20	20	21	20
PGAU	HY04	20	20	20	20	20	21	21	20	20	21	20	21	21	21	20	20	20	20	21	20	20	20	20	20
SIHY	HY02	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50
SIHY	HY03	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	50	50	50	50	50	50
SYPS	HY01	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	17	17	17	17	17	17
SYPS	HY03	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	17	17	17	17	17	10
SYPS	HY04	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	17	17	17	17	15	10
TMGR	HY01	0	0	0	0	0	0	0	0	33	33	34	40	0	0	0	0	0	0	0	0	30	32	30	33
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	33	36
TMGR	HY03	41	41	41	42	41	41	46	41	41	41	68	41	46	41	65	40	38	41	41	40	39	41	40	43
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	29	33	32
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	92	92	93	85	86	92	94	97
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	85	83	92
UPIA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
UPIA	HY02	4	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	3	3	3	4
Total Hydro		387	383	272	272	248	249	249	254	245	245	278	279	306	284	251	245	271	250	250	283	286	286	286	286
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	10	10	13	19	17	25	21	17	34	34	29
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	3	5	5	8	14	12	12	14	13	12	10
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	4	6	9	9	9	10	14	19	21	23	21
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	4	6	7	8	11	14	25	24	29	27	23
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	6	12	12	13	11	14	20	28	25	31	28
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	9	20	13	13	16	15	22	22	21	23
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	8	11	14	18	31	35	23	30	51
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	4	7	13	19	26	28	26	29	40	52	60	63
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	5	10	12	13	12	13	16	16	19	26	26
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	4	4	6	8	7	10	13	13	18	17	14
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	4	11	17	16	30	28	11	12	28	24	21
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	3	4	12	23	43	40	27	33	24
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	4	6	12	14	18	22	26	31	38	45	38
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	3	7	12	29	22	23	26	26	35	42	32
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	3	5	8	6	20	17	14	13	13	18	16
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	4	6	12	12	9	10	20	20	11	20	18
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	7	32	70	119	176	205	248	290	337	378	419	440
PCUF	CUFG	24	24	24	23	24	25	26	28	27	27	23	24	24	24	24	24	24	24	22	22	21	23	22	22
PCUF	CUFK	26	26	27	26	26	29	27	27	26	27	25	26	28	26	26	26	26	26	25	27	26	26	26	26

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		50	50	51	49	50	54	53	55	53	54	50	49	50	53	50	50	50	50	51	49	47	51	50	47	49	47	47	49	48	45	45	45	45	44	46	47	47	46	47	48	49	50	49	47	48	49	50	50	
Total Gen		15342	14737	14417	14307	13902	13703	13570	13411	13299	13303	13413	13345	13470	13553	13336	13337	13923	14871	15471	15948	16260	16462	16653	16734	16494	16280	16317	16676	16891	17216	17224	17306	17424	17268	16858	16340	16202	15976	16124	16173	16560	16727	16655	16522	16268	15990	15801	15459	
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	
TIE-HVDC		-30	-28	-30	-30	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-30	-29	-29	-29	-30	-30	-28	-28	-29	0	0	0	0	29	29	31	29	31	31	31	31		
TIE-PLTG		22	-24	11	17	8	-52	18	7	13	44	18	0	-27	39	-9	-31	-4	-18	-16	24	36	-28	42	4	41	-26	33	-8	15	-5	-3	-23	-31	53	61	42	33	20	14	113	94	64	16	33	50	22	51	5	
Interconnection		-8	-52	-19	-13	-21	-82	-11	-23	-16	14	-12	-29	-56	10	-38	-60	-33	-47	-45	-5	6	-58	13	-25	11	-56	3	-38	-13	-34	-32	-52	-60	23	33	14	5	20	14	113	94	93	45	64	78	53	82	36	
System Total		15350	14789	14436	14320	13923	13785	13581	13434	13315	13289	13425	13374	13526	13543	13374	13397	13956	14918	15516	15953	16254	16520	16640	16759	16483	16336	16314	16714	16904	17250	17256	17358	17484	17245	16825	16326	16197	15956	16110	16060	16466	16634	16610	16458	16190	15937	15719	15423	
SRev ST-Coal		115	128	235	226	226	227	238	256	338	339	339	325	332	333	333	351	339	339	314	183	115	91	113	91	107	86	107	96	110	107	103	90	87	87	105	90	99	104	107	113	104	97	96	106	108	113	129	124	
SRev CCGT-Gas		1664	2252	2354	2472	2853	3057	2961	3088	3077	3072	2993	3075	2975	2869	3050	3030	2507	1578	1053	846	662	525	358	345	605	1026	1072	720	762	532	493	435	349	354	677	1029	1077	1241	1078	950	661	496	587	635	880	1122	1175	1537	
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 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 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 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	
Syncon		676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	489	489	489	489	489	489	489	489	489	489	302	126	126	313	313	401	588	401
Hydro		409	413	349	349	349	348	348	343	352	352	359	358	331	353	346	352	326	347	347	354	351	351	351	351	353	353	351	348	349	351	352	445	459	457	487	485	478	476	462	627	726	835	816	722	705	649	496	456	
S.Reserve Total		2864	3469	3614	3723	4104	4308	4223	4363	4443	4439	4367	4434	4314	4231	4405	4409	3848	2940	2390	2059	1804	1643	1498	1463	1741	2141	2206	1840	1897	1666	1624	1459	1384	1387	1758	2093	2143	2310	2136	2179	1793	1554	1625	1776	2006	2285	2475	2605	