

Daily System Generation Summary on Tuesday

Tuesday, March 1, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	1,902 MW
Distillate	0 MW
Total TNB	1,902 MW
Total IPP	16,538 MW
Total Co-Gen	0 MW
Total System	22,719 MW

Generation Mix

Type	MWh	Percentage
Hydro	14,334	4.00 %
Gas	66,668	18.60 %
Total TNB	81,002	22.60 %
ST-Coal	187,425	52.29 %
LSS	4,022	1.12 %
Gas	83,997	23.44 %
Total IPP	275,444	76.85 %
Co-Gen	1,186	0.33 %
Total Co-Gen	1,186	0.33 %
Total Generation	357,632	99.78 %
PLTG	-77	-0.02 %
HVDC	-695	-0.19 %
Interconnection	-772	-0.22 %
Net Energy	358,404	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	18,105 MW
TNB Generation	3,980 MW
IPP Generation	12,674 MW
Spinning Reserve	1,399 MW
Maximum Demand	16,687 MW
Net Energy	358,404 MWH
Load Factor	89.49 %

Fuel Cost

Total Cost:	86,181,617.95 RM
Cost per Unit	24.09 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	615
Hydro	501
Syncon	227
Thermal	447
Total	1,790

Time	Weather	Temperature
Afternoon	Sunny	32
Morning	Cloudy	27

Gas Usage

Station	(mmcsfd)
GLGR	48
TJGS	180
Total TNB	228
CBPS	53
EMPP	234
PCGP	86
PGLA	58
PLPS	65
SKSP	50
SPGP	208
Total IPP	755
Total Gas	982
Total Gas Required	982

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	14694	13881	13412	13051	12756	12615	12610	12916	13314	14832	15596	16005	15952	15822	16372	16605	16687	16366	15588	15540	16547	16321	15703	15293

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, April 5, 2022 10:20:19 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	461	404	407	405	404	404	405	403	405	406	405	454	455	602	658	606	609	609	605	605	504	509	505	510	509	507	504	504	504	506	505	555	504	402	405	413	458	522	636	580	557	556	555	555	504	454		
JMAH	U002	460	406	408	407	405	405	405	404	405	404	404	405	454	453	602	660	604	608	607	606	603	504	503	510	509	507	504	504	504	504	555	501	403	405	410	453	546	635	566	560	557	556	555	502	454			
JMHE	U002	981	921	921	920	850	849	851	844	800	800	799	802	799	806	797	801	799	797	857	974	980	978	986	977	981	983	981	976	982	980	978	981	984	980	976	982	983	977	982	977	981	980	977	977	981	979	977	
JMJG	U001	508	508	506	508	510	508	507	506	506	508	506	530	594	596	596	599	609	648	593	596	615	671	670	672	673	676	672	672	672	675	672	672	672	673	659	593	596	539	535	513	517	517	518	514	516	517		
JMJG	U002	510	506	512	512	511	509	509	510	510	509	505	507	534	601	601	598	601	599	609	655	647	667	671	670	669	668	673	670	654	677	668	671	673	670	668	671	656	600	591	541	543	512	509	509	510	511	509	510
JMJG	U004	955	927	928	929	899	852	854	851	804	805	807	806	805	803	806	805	804	805	806	822	879	936	977	972	974	973	975	974	974	974	973	977	977	975	974	973	977	977	976	978	977	973	976	977	972	976	977	977
JMJG	U005	927	928	929	931	852	846	851	845	797	796	800	801	800	800	797	798	803	800	833	933	972	976	980	976	974	977	975	977	986	982	975	978	973	973	974	971	970	969	971	971	972	968	970	977	974	974	967	969
PKLG	U003	234	157	153	152	154	154	153	152	154	155	154	154	152	154	152	151	153	194	211	267	277	282	284	280	282	280	283	283	285	281	282	243	153	149	148	151	151	150	150	203	204	206	206	206	206	206	152	
PKLG	U004	234	160	152	152	150	152	151	149	148	154	153	154	153	153	151	153	192	210	254	277	277	276	282	278	278	278	273	276	272	279	208	164	153	156	153	154	154	153	154	198	211	206	208	205	209	205	187	
PKLG	U006	434	439	442	441	441	440	440	441	443	442	440	436	430	436	441	446	443	442	440	443	442	442	442	443	449	446	445	444	442	443	443	445	444	445	446	442	442	443	445	443	443	445	442	442	445	445	446	446
TBIN	U001	501	495	449	450	448	499	499	447	449	449	449	450	449	500	498	498	543	660	689	597	598	687	636	598	597	597	598	600	598	599	686	687	685	687	684	683	686	687	686	686	684	687	684	648	599	548	548	519
TBIN	U003	500	500	455	455	450	501	500	479	453	450	451	453	451	452	466	500	532	614	688	622	597	599	603	601	603	602	604	602	602	602	694	689	686	686	686	693	689	688	689	689	689	690	690	648	601	553	553	522
TBIN	U004	942	941	941	941	888	851	854	851	804	802	804	803	803	802	803	802	801	802	802	871	943	940	945	943	944	943	942	942	944	941	941	939	937	943	939	941	942	938	940	939	939	942	941	941	938	941	940	939
Total ST-Coal		7647	7292	7203	7203	6963	6970	6978	6885	6676	6680	6677	6679	6716	6913	6918	7056	7135	7715	8072	8296	8422	8596	8626	8621	8429	8431	8442	8436	8431	8431	8599	8503	8357	8443	8328	8138	8119	7999	8090	8135	8435	8272	8238	8163	8056	7968	7852	7623
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	0
CBPS	BLK2	354	346	362	362	365	359	359	352	364	350	302	295	360	350	356	356	360	365	353	354	360	359	352	354	361	361	352	348	368	361	357	359	365	358	351	360	355	363	363	365	354	356	355	356	356	356	349	356
EMPP	BLK1	532	376	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	195	375	376	584	618	700	716	704	706	701	699	702	707	695	706	
EMPP	BLK2	700	686	705	711	710	709	706	708	709	697	710	701	711	698	707	703	710	712	705	695	711	705	706	696	710	710	698	690	723	709	708	712	721	711	701	712	709	718	714	718	706	708	704	702	704	710	697	708
EMPP	BLK3	701	685	705	710	709	710	707	709	710	696	711	701	711	698	707	704	710	710	705	695	712	705	705	696	710	711	699	690	722	709	708	712	721	711	702	713	708	718	714	719	706	708	704	702	704	709	697	707
GLGR	GT01	106	103	74	67	68	69	68	69	69	69	70	68	68	69	68	67	68	68	69	97	104	103	105	104	105	89	67	66	69	70	67	68	69	68	66	68	68	68	67	68	68	67	67	66	76	105	83	
GLGR	GT02	105	104	71	68	69	68	69	68	68	68	68	69	68	69	69	69	68	98	104	104	104	104	104	88	68	68	67	68	67	68	67	68	67	68	67	68	67	68	67	68	68	68	67	77	104	84		
GLGR	ST1C	93	93	79	71	71	71	71	71	71	71	70	71	70	71	70	71	70	85	93	93	93	93	93	88	71	71	71	71	71	71	71	71	70	71	71	72	71	72	71	71	71	71	71	70	73	93	83	
PCGP	PGRG	590	573	595	601	605	602	602	596	605	586	603	590	599	590	594	588	596	606	594	584	604	593	592	585	601	597	587	580	616	604	590	596	612	594	585	603	599	613	603	607	591	592	589	585	590	593	580	593
PGLA	GT11	166	161	167	169	160	159	159	157	159	156	160	156	156	159	156	158	162	157	154	160	157	156	155	159	159	161	159	166	170	168	168	172	168	166	170	156	162	160	162	207	155	153	152	153	154	152	156	
PGLA	GT12	169	164	170	92	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	69	163	169	173	170	171	176	171	168	174	0	0	0	0	0	0	0	0	0	0	0	0		
PGLA	ST10	200	201	202	91	89	89	88	88	89	88	89	88	89	87	88	88	89	90	88	87	88	88	87	88	88	85	196	214	207	203	205	206	205	203	138	91	89	89	90	109	87	87	87	87	87	87		
PLPS	GT11	147	147	130	128	129	129	128	129	129	128	129	129	129	130	128	128	128	129	129	125	127	124	122	123	127	108	106	109	111	111	111	111	115	112	115	112	114	111	116	131	131	130	107	114	129	129	130	
PLPS	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	63	145	143	141	146	120	114	113	124	145	115	115	112	120	115	120	120	124	119	124	140	137	137	115	119	138	136	139	
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	61	136	138	136	136	109	109	116	112	109	112	0	0	0	0	0	0	0	0	0	0	0	0
PLPS	ST18	58	59	56	57	57	57	58	57	57	58	57	57	57	56	58	57	57	58	58	58	140	141	141	141	134	129	196	204	212	195	195	198	198	194	197	133	133	133	135	141	141	141	132	131	142	140	142	
SKSP	BLK1	326	321	337	337	333	213	219	219	221	217	222	221	21																																			

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	63	63	63	62	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	
HTRG	HY03	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	HY04	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
KNRG	HY01	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNRG	HY02	24	24	25	25	25	25	24	25	24	25	24	25	24	24	25	25	24	25	24	25	37	36	36	36	
KNRG	HY03	21	21	22	22	22	22	21	21	22	22	22	23	21	21	22	21	21	23	21	22	22	36	35	35	
LPIA	HY01	19	19	19	19	19	19	19	19	19	19	19	19	19	20	20	20	20	19	19	19	19	19	19	17	
LPIA	HY02	19	19	19	19	19	19	19	19	19	19	19	19	20	20	20	20	20	20	20	20	20	20	20	18	
MNOR	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	3	3	3	3	3	3	2	2	
PGAU	HY01	21	21	21	21	22	22	22	22	22	22	22	22	21	21	21	149	149	111	21	21	21	21	81	81	
PGAU	HY03	21	21	20	21	21	21	21	21	21	22	81	82	82	21	21	82	82	82	82	21	21	112	112	112	
PGAU	HY04	21	21	21	21	21	21	22	22	21	21	21	22	81	81	81	82	81	82	81	81	21	21	109	111	
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	31	31	31	
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	30	30	50	50	50	50	30	30	30	
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	50	50	50	30	30	30	30	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	25	25	25	25	25	25	25	
SYPS	HY03	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	
SYPS	HY04	16	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	25	25	25	25	25	25	25	
TMGR	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	83	33	33	-1	
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	43	58	90	90	90	90	91	91	90	91	0	
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	86	86	83	86	86	30	30	28	27	30	30	84	
TMGR	HY04	40	36	40	41	48	42	43	40	64	40	57	40	41	39	54	40	70	83	42	37	41	40	39	40	
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	93	85	87	95	87	82	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	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		391	333	338	309	318	312	312	309	336	308	328	309	310	308	383	371	401	444	401	512	555	583	582	627	581
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
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	14	8	11	14	24	28	10	17	28
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	4	11	13	19	22	28	14	20	11	24	16	
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	9	11	16	22	24	27	21	32	30	32	32	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	6	11	25	23	27	48	40	42	32	32	13	
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	5	10	9	20	12	21	26	26	30	29	26	
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	4	12	17	24	29	35	41	37	13	43	24	50	
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	7	11	14	20	24	27	28	24	22	21	18	
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	7	12	18	28	35	25	25	32	46	
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	11	25	34	48	61	64	80	84	73	86	94	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	4	11	17	25	27	32	39	21	42	24	25	31	
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	5	8	14	17	19	26	20	21	24	29	29	
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	5	12	14	11	11	17	30	20	29	12	1	
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	7	4	16	28	30	29	41	38	49	49	37	
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	3	5	10	30	23	46	49	38	50	52	45	
SSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	4	8	7	12	28	18	33	22	20	25	36	43	
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	3	7	8	14	16	12	9	18	29	12	13	
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	3	2	2	3	5	17	10	5	10	15	23	
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	3	44	114	169	257	374	387	512	519	483	539	536	
PCUF	CUFG	20	21	22	22	23	24	23	22	22	23	22	22	23	24	23	23	21	20	21	21	20	21	21	27	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	
PCUF	CUFK	25	25	26	25	24	26	24	26	24	27	25	24	24	26	25	25	24	24	26	25	27	24	25	25	24	24	25	26	27	26	26	26	25	26	25	25	24	26	24	24	26	26	26	25	25	25	26	25
Total Co-Gen		45	46	48	47	47	50	47	48	46	50	47	46	47	48	49	48	47	45	46	45	48	45	45	46	45	45	52	52	53	52	50	51	52	53	53	53	53	54	52	52	54	54	54	53	53	53	53	51
Total Gen		14645	14140	13771	13529	13360	13152	13023	12776	12692	12536	12551	12485	12621	12774	12878	12992	13301	14268	14779	15220	15542	15871	16014	16037	15873	15769	15751	16032	16267	16536	16562	16609	16706	16644	16430	15963	15563	15453	15482	16200	16578	16421	16305	15922	15634	15378	15260	14886
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		-29	-30	-29	-29	-29	-29	-28	-28	-29	-29	-29	-28	-29	-30	-30	-30	-28	-28	-29	-28	-30	-30	-29	-29	-27	-28	-29	-29	-29	-29	-30	-28	-30	-28	-30	-30	-29	-28	-30	-28	-28	-28	-30	-29	-30	-29	-30	-29
TIE-PLTG		-21	-14	-81	-2	-23	-5	0	8	-35	1	-35	6	40	6	-7	10	15	-68	-24	7	-24	-8	38	14	-52	-43	-42	-42	-76	-22	-14	41	47	89	92	14	5	26	-30	19	59	39	12	-26	-39	-11	-3	9
Interconnection		-49	-44	-110	-30	-52	-34	-28	-20	-64	-28	-64	-22	11	-25	-38	-20	-13	-96	-53	-21	-54	-38	9	-16	-79	-72	-71	-71	-105	-51	-43	11	19	58	64	-16	-25	-4	-58	-11	31	11	-16	-54	-69	-40	-33	-20
System Total		14694	14184	13881	13559	13412	13186	13051	12796	12756	12564	12615	12507	12610	12799	12916	13012	13314	14364	14832	15241	15596	15909	16005	16053	15952	15841	15822	16103	16372	16587	16605	16598	16687	16586	16366	15979	15588	15457	15540	16211	16547	16410	16321	15976	15703	15418	15293	14906
SRev ST-Coal		630	713	711	708	831	869	866	870	871	870	867	879	883	879	870	866	873	842	697	671	555	449	435	411	403	406	399	410	409	402	293	329	339	338	354	340	368	450	445	446	433	446	446	519	566	552	562	561
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 CCGT-Gas		900	793	730	942	520	732	866	1018	918	1054	1053	1101	1004	1047	1024	1038	878	602	461	442	552	512	523	548	437	562	972	832	787	834	933	644	487	588	791	951	750	777	838	537	419	496	575	796	864	819	810	903
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 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 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		489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	489	401	401	401	401	401	401	313	313	313	313	313	313	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	214	302	302	
Hydro		599	567	562	567	558	564	564	567	540	568	548	567	566	568	493	505	475	520	563	452	459	455	456	499	545	582	629	627	500	411	422	479	447	543	600	583	708	676	704	462	504	508	511	573	599	637	647	697
S.Reserve Total		2618	2562	2492	2706	2398	2654	2785	2944	2818	2981	2957	3036	2942	2983	2876	2898	2715	2365	2122	1966	1967	1817	1815	1771	1698	1863	2313	2182	2009	1773	1774	1578	1399	1595	1871	2000	1952	2029	2113	1571	1482	1576	1658	2014	2155	2222	2321	2463