

Daily System Generation Summary on Tuesday

Tuesday, August 2, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,312 MW
Distillate	0 MW
Total TNB	2,312 MW
Total IPP	19,964 MW
Total Co-Gen	0 MW
Total System	25,917 MW

Generation Mix

Type	MWh	Percentage
Hydro	26,458	7.06 %
Gas	36,515	9.74 %
Total TNB	62,973	16.80 %
ST-Coal	228,336	60.92 %
LSS	4,570	1.22 %
Gas	78,701	21.00 %
Total IPP	311,607	83.14 %
Co-Gen	722	0.19 %
Total Co-Gen	722	0.19 %
Total Generation	375,302	100.13 %
PLTG	-231	-0.06 %
HVDC	718	0.19 %
Interconnection	487	0.13 %
Net Energy	374,815	100.00 %

Maximum Demand Record

Date: 5/24/2022	19,183 MW
Date: 5/24/2022	398,523 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	18,737 MW
TNB Generation	3,355 MW
IPP Generation	14,159 MW
Spinning Reserve	1,196 MW
Maximum Demand	17,535 MW
Net Energy	374,815 MWH
Load Factor	89.06 %

Fuel Cost

Total Cost:	124,340,025.84 RM
Cost per Unit	33.13 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	724
Hydro	384
Syncon	282
Thermal	435
Total	1,825

Time Weather Temperature

Afternoon	Sunny	34
Morning	Rainy	28

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	54
Total TNB	83
CBPS	53
EMPP	203
NPRI	135
PCGP	64
PGLA	55
SPGP	161
Total IPP	672
Total Gas	755
Total Gas Required	755

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	15482	14768	14340	13849	13542	13294	13570	13499	13923	15387	16130	16512	16421	16137	16929	17377	17535	17201	16193	15991	17093	17020	16298	15879

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, September 6, 2022 3:25:21 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	507	509	504	503	504	682	454	270	219	215	214	214	214	215	213	213	244	486	711	711	709	706	706	705	703	704	704	702	704	704	605	503	507	509	506	505	504	504	505	505	504	505	506	504	505	504	505	504	505	320		
JMAH	U002	706	359	218	217	213	214	215	214	214	214	215	213	213	212	213	320	489	698	709	705	705	702	704	706	706	705	706	707	704	706	707	705	702	707	707	705	706	703	705	702	705	706	704	705	706	705	707	707	707	707	707	
JMHE	U001	980	979	977	981	978	898	899	897	850	851	851	852	850	851	855	847	855	972	980	1007	1010	1015	1015	1012	1008	1012	1014	1016	1014	1013	987	980	980	980	979	980	981	980	980	977	979	980	982	979	977	983	980	983	980	983	980	983
JMHE	U002	982	980	976	979	975	900	899	897	847	851	851	852	849	849	843	848	853	971	982	978	980	984	977	978	975	978	982	978	981	976	978	979	980	980	978	981	980	979	980	979	978	978	983	976	978	982	976	983	976	983	976	983
JMJG	U001	508	505	508	508	508	504	508	508	506	506	510	508	506	506	505	506	509	508	507	503	508	507	512	504	554	640	684	678	679	681	682	684	682	672	672	671	665	673	671	674	669	673	673	667	672	671	676	671	676	671	676	671
JMJG	U002	509	508	512	506	513	508	508	512	515	508	511	513	507	510	510	509	511	512	506	509	533	514	509	510	513	509	509	510	515	512	519	598	684	671	672	671	682	672	677	672	671	672	663	677	677	681	674	678	674	678		
JMJG	U003	495	496	494	493	502	489	495	502	508	503	507	503	506	508	508	504	506	506	505	506	505	510	507	507	501	540	587	666	694	672	680	678	677	676	668	667	669	666	668	668	667	670	666	676	669	670	662	678	660	660	660	
JMJG	U004	855	852	850	853	854	854	855	859	855	854	854	855	854	851	852	855	851	852	852	854	854	855	856	886	925	978	978	977	980	977	980	978	982	976	981	977	977	977	977	981	980	977	976	978	978	979	974	974	974			
JMJG	U005	853	850	850	851	852	852	851	848	847	853	850	852	852	851	851	850	856	857	854	857	857	856	856	886	983	979	977	977	977	977	978	978	979	974	977	979	979	977	977	977	979	977	977	978	978	976	978	979	979	979		
PKLG	U003	280	191	125	56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PKLG	U004	268	219	164	145	156	154	154	151	153	152	153	154	155	154	154	157	153	153	155	196	257	273	275	277	235	167	148	144	152	148	153	144	151	153	153	153	152	152	154	150	153	152	157	153	156	153	153	154	154	154	154	
PKLG	U005	269	267	269	267	270	269	269	269	270	267	268	269	268	269	269	269	269	267	307	399	459	464	465	432	358	278	271	268	269	270	269	268	269	269	263	270	269	269	271	271	268	268	268	269	265	266	266	266	266	266		
TBIN	U001	695	695	701	697	695	699	697	698	698	697	696	698	698	699	692	697	698	700	697	694	698	700	697	698	696	697	697	699	698	698	699	698	698	698	694	699	698	698	699	700	698	699	701	701	699	700	698	699	697	697	697	
TBIN	U002	700	702	703	700	701	700	701	700	702	700	702	708	700	700	703	703	695	703	701	699	701	699	700	704	703	700	702	703	702	700	701	705	700	700	700	701	701	698	709	704	700	702	697	701	702	700	701	701	701	701		
TBIN	U003	211	213	212	212	213	212	212	213	211	211	210	211	212	210	211	212	211	212	211	212	214	211	211	211	211	212	212	211	211	211	211	211	211	211	212	211	213	212	212	211	210	213	212	212	213	211	210	210	210			
TBIN	U004	942	939	941	941	939	904	902	896	851	852	854	856	853	853	854	852	852	926	944	942	942	944	942	940	940	939	939	940	939	941	942	940	941	941	941	941	941	941	939	940	940	940	941	940	940	942	940	941	940	941		
Total ST-Coal		9760	9264	9004	8909	8873	8839	8618	8427	8248	8239	8245	8252	8244	8244	8230	8230	8387	9108	9576	9679	9871	9940	9926	9916	9970	10120	10195	10207	10197	10196	10084	10049	10144	10116	10099	10111	10112	10108	10122	10107	10101	10107	10128	10100	10115	10120	10119	9924	9924	9924		
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	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	0	0		
CBPS	BLK2	344	358	353	357	357	355	357	355	358	352	359	360	352	341	330	336	350	344	351	350	350	348	347	350	344	338	214	195	320	352	347	351	347	351	344	348	347	351	346	351	350	347	350	344	343	349	347	344	344	344		
EMPP	BLK1	671	710	688	696	706	686	707	687	703	684	708	710	712	711	697	683	719	683	710	711	708	698	703	707	633	603	532	662	710	653	676	710	711	710	658	699	693	710	680	710	702	694	701	691	673	697	691	649	649	649		
EMPP	BLK2	686	710	701	708	709	705	545	688	708	699	709	710	711	711	692	697	718	698	710	711	709	710	708	655	624	562	675	710	658	710	658	710	712	711	710	678	708	706	708	702	710	708	707	709	703	691	671	710	706	676	676	
GLGR	GT02	94	94	94	94	95	95	94	94	94	95	95	94	95	94	95	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94			
GLGR	ST1C	41	41	40	40	41	42	41	41	40	41	41	41	41	41	41	40	41	40	41	42	41	41	40	40	41	40	40	41	41	41	41	41	41	41	41	41	41	40	40	40	40	39	41	41	42	41	41	41	41			
NPRI	BLK1	509	530	521	524	443	391	395	392	344	338	348	348	350	445	431	386	409	388	349	348	347	346	346	349	314	303	301	303	311	388	491	496	494	497	487	493	491	400	509	517	514	508	515	509	505	513	392	311	311	311		
NPRI	BLK2	423	496	472	417	394	350	395	392	397	388	395	399	401	448	433	439	460	440	400	399	399	397	397	399	313	303	301	301	310	389	493	500	497	499	489	506	403	409	472	530	524	488	470	447	413	469	350	327	327	327		
PCGP	PGRG	394	400	395	397	398	396	395	397	398	397	398	400	403	396	399	396	398	417	394	400	401	400	394	393	552	534	469	415	435	450	528	538	553	548	552	532	394	395	350	298	301	299	294	299	300	299	296	300	301	301		
PGLA	GT12	214	222	219	221	220	219	219	220	221	218	144	145	225	226	219	221	228	221	226	225	225	225	143	141	141	141	141	141	219	219	223	224	224	220	216	217	218	215	223	218	217	217	216	214	218	217	216	216	216			
PGLA	ST10	110	112	111	111	112	111	112	111	111	111	88	86	113	111	111	111	112	112	112	112	112	112	84	85	85	86	86	86	112	111	113	113	113	113	112	108	110	111	111	113	110	111	111	111	111	110	111	109	109	109		
SPGP	BLK1	401	402	444	499	402	402</																																														

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	
KNRG	HY03	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	
KNYR	HY01	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
KNYR	HY02	104	105	105	105	104	105	105	105	105	104	105	105	105	105	104	105	105	105	105	105	105	105	105	105	
KNYR	HY03	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	103	103	104	104	
KNYR	HY04	100	100	100	100	100	100	100	100	100	101	101	101	100	101	101	100	100	100	100	101	101	101	101	100	
LPIA	HY01	19	19	19	19	19	19	16	16	16	16	16	16	16	16	16	16	16	16	16	17	19	19	19	17	
LPIA	HY02	18	18	18	18	18	18	16	16	16	16	16	16	16	16	16	16	16	16	16	17	17	19	19	17	
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	HY01	21	20	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	22	22	22	22	0	0	0	
PGAU	HY02	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	22	22	22	22	0	0	0	0	
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SIHY	HY02	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	30	30	0	0	0	
SIHY	HY03	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY01	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY03	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY04	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TMGR	HY01	82	84	84	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	84	84	84	84	84	84	84	84	84	84	84	
TMGR	HY02	81	86	85	83	84	42	42	-1	-1	-1	-1	-1	-1	84	85	85	85	85	85	86	86	86	86	86	
TMGR	HY03	74	32	31	32	0	0	0	0	0	0	0	0	0	82	83	83	83	83	83	81	82	83	83	81	
TMGR	HY04	72	83	70	41	61	53	82	42	43	41	43	41	50	42	38	39	83	41	61	47	66	42	41	55	
UJLI	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	
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
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		1128	1043	978	863	852	801	831	748	744	741	742	743	752	741	737	699	750	1081	1013	1001	1020	1059	1057	1072	1052
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	0	1	2	4	8	10	19	24	21	24	
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	8	15	12	15	14	16	21	20	22	
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	11	10	19	20	26	25	28	32	32	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	6	7	7	12	16	22	15	29	35	
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	6	12	18	20	10	21	25	21	12	
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	10	16	23	27	26	40	37	35	39	
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	7	12	13	18	11	10	17	22	17	
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	8	19	22	24	22	31	47	46	34	
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	25	31	55	65	73	77	75	74	91	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	6	11	16	25	33	34	32	42	42	45	
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	7	11	17	23	24	22	25	30	30	
KNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	7	16	21	52	37	39	83	78	70	31	63	
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	6	19	9	15	28	23	13	17	22	
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	9	11	19	20	22	39	25	19	31	
MNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7	20	23	44	50	45	72	53	56	65	
PKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	6	27	32	58	84	84	79	41	31	15	21	
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	4	11	21	16	24	23	24	40	
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	7	11	6	9	14	18	25	25	32	
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	7	12	12	13	22	22	26	19	16	
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	5	11	14	17	25	30	22	25	28	24	16	
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	2	56	153	225	387	469	543	641	615	641	624	

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	CUFG	29	29	28	29	27	27	28	28	28	28	27	29	28	28	28	28	27	27	27	26	25	24	26	24	24	25	25	24	23	24	23	23	22	23	24	24	24	24	26	26	27	27	27	26	22	20			
PCUF	CUFK	4	5	4	4	3	5	4	4	5	3	4	3	6	4	3	4	4	3	6	3	5	3	4	3	5	3	5	5	5	4	4	5	4	3	4	4	5	5	5	5	4	4	6	4	4	3	4	4	
Total Co-Gen		33	34	32	33	30	32	32	32	33	31	32	30	35	32	31	32	32	31	33	30	32	29	29	27	31	27	29	30	30	28	27	29	27	26	26	27	29	29	29	29	30	30	33	31	31	29	26	24	
Total Gen		15550	15158	14795	14610	14377	14166	13887	13725	13543	13478	13346	13458	13576	13814	13567	13515	13918	14929	15383	15838	16144	16429	16552	16708	16461	16348	16168	16594	16968	17292	17424	17498	17541	17546	17159	16624	16134	15899	16016	16705	17094	17027	17001	16706	16293	16165	15885	15501	
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	32	31	31	31	28	31	31	31	29	29	28	29	29	32	31	30	28	31	31	31	29	29	30	30	31	31	30	30	30	29	29	30	30	30	30	31	31	30	30	29	29	29	29	29	29	29		
TIE-PLTG		39	-38	-4	-5	7	28	7	7	-29	21	23	13	-22	32	37	21	-33	-4	-35	-10	-17	27	11	36	10	-5	0	15	9	11	17	-45	-24	-6	-71	-56	-89	-32	-5	-53	-29	-32	-49	-38	-34	-30	-23	-14	
Interconnection		68	-6	27	26	37	57	38	38	1	50	52	41	6	60	68	52	-5	27	-4	21	14	57	40	66	40	26	31	45	39	41	47	-15	6	23	-42	-26	-59	-2	25	-23	1	-2	-19	-9	-5	-1	6	15	
System Total		15482	15164	14768	14584	14340	14109	13849	13687	13542	13428	13294	13417	13570	13754	13499	13463	13923	14902	15387	15817	16130	16372	16512	16642	16421	16322	16137	16549	16929	17251	17377	17513	17535	17523	17201	16650	16193	15901	15991	16728	17093	17029	17020	16715	16298	16166	15879	15486	
SRev ST-Coal		569	748	661	724	665	871	928	932	978	971	982	974	975	975	995	983	985	769	514	538	533	484	502	496	557	450	299	276	291	289	362	416	463	495	511	357	361	367	354	367	375	365	352	374	363	356	352	363	
SRev CCGT-Gas		1220	1032	1068	1044	1227	1355	1443	1331	1331	1382	1522	1416	1304	1028	1256	1273	1132	1269	1289	1084	1073	967	926	747	1058	1151	1483	1217	921	618	355	276	283	266	409	644	1117	1287	1176	755	504	559	555	788	1083	1191	1438	1620	
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	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	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	0
Syncon		500	500	500	588	588	588	588	676	676	676	676	676	676	676	676	588	676	313	500	500	500	500	500	500	500	500	500	374	374	374	374	187	0	0	0	374	374	374	374	187	0	0	187	187	187	187	187	187	187
Hydro		406	391	381	408	332	383	353	348	352	355	354	353	344	355	359	398	346	465	346	358	339	425	427	412	432	581	571	525	419	394	372	457	450	368	520	294	295	293	260	300	342	360	227	259	392	290	329	334	
S.Reserve Total		2695	2671	2610	2764	2812	3197	3312	3287	3337	3384	3534	3419	3299	3034	3286	3329	3139	2816	2649	2480	2445	2376	2355	2155	2547	2682	2853	2392	2005	1675	1463	1336	1196	1129	1440	1669	2147	2321	2164	1609	1221	1284	1321	1608	2025	2024	2306	2504	