

Daily System Generation Summary on Sunday

Sunday, June 5, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,422 MW
Distillate	0 MW
Total TNB	2,422 MW
Total IPP	19,294 MW
Total Co-Gen	0 MW
Total System	25,287 MW

Generation Mix

Type	MWh	Percentage
Hydro	6,930	2.06 %
Gas	39,919	11.85 %
Total TNB	46,849	13.91 %
ST-Coal	218,148	64.75 %
LSS	3,140	0.93 %
Gas	68,596	20.36 %
Total IPP	289,884	86.05 %
Co-Gen	969	0.29 %
Total Co-Gen	969	0.29 %
Total Generation	337,702	100.24 %
PLTG	83	0.02 %
HVDC	734	0.22 %
Interconnection	817	0.24 %
Net Energy	336,885	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:	00:00:00 Hour
Total Set On Bus	18,229 MW
TNB Generation	2,382 MW
IPP Generation	13,278 MW
Spinning Reserve	2,533 MW
Maximum Demand	15,675 MW
Net Energy	336,885 MWH
Load Factor	89.55 %

Fuel Cost

Total Cost:	88,512,075.55 RM
Cost per Unit	26.21 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	2,142
Hydro	258
Syncon	664
Thermal	544
Total	3,608

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Rainy	27

Gas Usage

Station	(mmcsfd)
GLGR	29
TJGS	91
Total TNB	119
CBPS	38
EMPP	205
NPRI	125
PCGP	64
PLPS	39
SPGP	156
Total IPP	626
Total Gas	746
Total Gas Required	746

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	15675	15021	14448	13984	13550	13255	13205	12743	12265	12869	13550	14030	13728	13415	13749	13918	14112	14085	13804	14227	15453	15431	15283	15034

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, June 9, 2022 5:42:30 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Sunday

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	705	707	711	709	708	707	706	704	707	706	705	706	703	706	606	681	656	658	654	655	654	656	656	657	654	657	653	655	656	655	654	658	656	655	658	656	697	698	695	695	695	695	695	696	694	696	700	
JMAH	U002	705	705	708	708	704	704	706	706	705	706	708	709	709	707	691	544	408	403	408	406	406	405	404	454	454	457	457	454	454	455	456	454	453	453	454	464	639	692	695	696	697	698	697	694	696	696	698	
JMHE	U001	980	978	984	904	899	849	850	850	849	850	852	851	853	831	850	847	852	848	852	854	851	853	850	892	894	888	891	884	891	890	892	893	893	890	889	893	893	890	965	979	980	982	977	982	981	975	982	
JMJG	U002	673	678	677	673	672	674	672	676	678	673	676	673	675	675	602	512	512	557	643	680	676	682	679	678	678	681	681	680	678	679	679	678	573	612	673	677	677	678	676	680	677	678	678	682	680	678	677	
JMJG	U003	587	595	595	612	643	667	674	673	672	667	668	674	675	672	671	673	678	667	672	661	673	667	675	671	672	671	668	676	672	670	676	676	671	673	677	666	674	671	666	671	662	673	673	677	667	675	668	673
JMJG	U004	981	981	982	964	904	892	853	854	854	856	854	853	854	854	854	854	854	853	856	853	854	865	895	900	894	894	895	895	895	892	895	892	894	895	895	895	895	892	892	939	976	979	978	975	980	977	979	980
JMJG	U005	972	972	972	938	900	871	854	850	852	849	851	846	848	848	847	850	850	849	849	851	852	849	866	891	887	880	887	888	892	887	890	891	889	888	890	891	889	888	888	953	975	977	974	971	975	971	972	972
PKLG	U003	277	277	281	279	280	279	279	211	141	147	148	148	149	148	149	147	149	149	148	148	148	148	147	148	147	147	148	148	147	148	149	148	148	148	148	148	148	148	148	148	148	148	148	148	148	149	149	
PKLG	U004	166	205	207	216	206	204	202	156	153	154	155	156	155	155	156	161	154	156	155	155	156	155	157	157	153	156	152	156	156	157	155	155	153	155	153	155	155	154	154	154	154	158	153	158	158	155		
PKLG	U005	466	463	466	466	466	468	467	422	345	270	268	269	269	268	271	268	268	269	271	268	269	272	268	270	270	269	270	268	268	269	268	269	268	269	268	269	268	269	274	357	451	468	464	466	467	466	466	430
PKLG	U006	448	449	449	450	448	450	449	395	321	277	267	269	269	269	269	267	267	270	269	269	269	267	269	268	269	268	268	268	268	268	268	269	268	269	268	269	269	269	272	352	427	448	449	447	448	449	448	416
TBIN	U001	699	701	698	701	697	700	700	701	700	699	702	700	698	698	691	599	599	701	689	694	694	694	698	700	695	700	701	698	699	699	697	700	701	697	698	699	699	698	698	699	702	701	696	697	699	701	700	698
TBIN	U002	699	702	702	700	701	705	700	702	699	702	705	705	701	700	698	604	604	678	699	700	700	700	701	702	700	701	702	701	700	700	702	701	699	702	699	705	699	703	702	697	702	706	701	697	702			
TBIN	U003	702	699	701	706	721	700	704	651	558	554	553	553	554	554	375	302	309	301	407	402	402	401	403	403	404	403	403	405	404	401	402	394	403	405	411	590	693	693	690	692	691	691	693	693	689	689		
TBIN	U004	942	939	939	912	903	884	851	851	854	854	852	856	854	854	852	856	853	854	855	853	854	853	853	892	891	893	892	891	895	895	893	893	891	895	897	890	896	894	938	939	940	937	940	939	938	939		
Total ST-Coal		10002	10051	110072	9938	9852	9754	9667	9402	9088	8964	8965	8967	8969	8936	8682	8090	7963	8237	8427	8455	8456	8456	8487	8675	8677	8669	8672	8669	8671	8671	8671	8678	8552	8604	8671	8660	8700	9040	9239	9641	9874	9933	9912	9916	9930	9929	9909	9860
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		
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		
CBPS	BLK2	222	217	221	223	223	219	222	223	223	222	219	219	213	205	222	218	226	222	222	224	223	222	213	215	220	225	218	222	222	222	222	223	223	223	228	223	222	222	222	222	223	215	222	222	210	219		
EMPP	BLK1	572	406	409	491	433	408	410	409	480	451	413	410	411	394	387	416	409	442	429	417	433	466	526	397	401	407	447	429	410	436	408	412	528	698	522	556	621	673	499	598	512	501	434	402	410	408	395	413
EMPP	BLK2	414	406	409	492	431	408	409	409	471	449	414	407	411	394	387	419	409	444	374	375	375	467	524	398	366	372	376	373	373	374	373	376	378	375	374	377	382	374	476	596	511	502	430	402	410	406	395	409
EMPP	BLK3	414	407	410	469	410	408	410	409	435	425	412	410	411	394	388	418	408	421	374	376	375	423	485	397	366	372	377	372	373	375	372	375	378	374	378	381	374	477	557	468	459	429	402	410	407	394	411	
GLGR	GT02	99	93	93	93	93	92	92	93	92	93	93	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	93	93	94	93	92	93	93	93	92	92	93	92	93		
GLGR	ST1C	44	40	40	39	39	40	40	40	39	41	40	40	40	39	39	40	40	39	40	40	41	39	39	40	40	40	39	40	39	40	39	40	41	40	41	39	40	39	40	40	40	40	40	40	40	40		
NPRI	BLK1	529	521	524	533	530	467	395	320	319	318	320	310	316	305	296	317	314	325	320	316	318	320	318	305	308	314	323	314	319	319	316	319	320	320	319	321	329	322	398	520	521	521	521	508	447	506	491	502
NPRI	BLK2	528	505	509	420	335	331	333	336	338	347	335	329	332	321	311	341	331	340	335	334	336	336	334	320	326	331	338	331	332	337	334	335	337	336	335	336	344	338	398	520	527	528	528	500	451	459	476	507
PCGP	PGRG	401	398	400	402	402	402	403	406	410	406	404	403	407	403	404	406	402	409	402	400	401	403	400	393	392	393	407	394	397	401	399	399	404	414	411	410	420	403	402	400	399	402	400	399	400	398	398	397
PLPS	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	0	0	0	0		
PLPS	ST18	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	74	74	74	74
SPGP	BLK1	725	726	500	361	362	360	360	359	362	362	360	362	362	360	360	362	363	402	498	649	714	719	715	599	402	388	548	549	600	648	719	718	719	720	650	501	500	451	503	548	551	602	650	599	500			

Daily MW Generation on Sunday

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			
LPIA	HY01	19	19	19	19	19	19	19	19	19	19	19	19	19	21	21	21	21	21	21	21	20	20	20	20	18	18	18
LPIA	HY02	18	18	18	18	18	18	18	18	18	18	18	18	18	21	21	21	21	21	21	21	20	21	21	21	19	19	19
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	3	3	
PGAU	HY03	20	20	20	21	20	21	20	21	21	21	21	21	21	21	21	20	20	20	21	21	20	20	20	20	20	20	
PGAU	HY04	20	20	20	20	20	20	20	20	21	20	20	20	20	0	0	0	0	0	0	30	30	30	50	50	50	50	
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	50	50	50	50	50	
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50		
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25		
SYPS	HY03	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25		
TMGR	HY01	69	41	41	83	86	42	42	69	78	71	43	41	41	40	36	59	44	42	43	43	42	42	42	51	42	68	
TMGR	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	-1	-1	
TMGR	HY04	-1	-1	-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	HY01	92	-1	-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	-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	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	5	5	
Total Hydro		319	198	198	242	244	200	200	228	237	230	204	201	201	199	193	220	208	207	207	211	209	208	211	198	197	200	
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	0	
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	4	9	3	12	12	11	20	28	21	13	25	
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	7	16	26	22	18	18	20	34	22	22		
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	6	10	10	12	14	19	28	30	20	18	14	
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	2	3	2	9	7	13	27	28	17	28		
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	7	7	14	18	22	19	29	37	50	35		
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	6	6	14	14	18	30	24	20	27		
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	12	13	24	29	21	31	36	41	46	15		
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	5	11	14	16	27	26	35	42	54	94	64		
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	6	6	11	12	17	24	30	29	33	25		
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	5	7	6	11	14	20	30	24	17	16		
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	7	14	13	12	16	20	24	16	30	17		
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	4	27	22	24	20	47	33	30	22	44		
PKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	18	7	7	7	7	7	7	18	33	64	44		
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	8	9	16	19	20	1	7	6	8	26	25		
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	7	13	21	25	27	24	29	24	22	25		
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	2	7	14	23	11	24	28	28	22		
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	4	2	3	2	2	3	7	8	27	12		
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	19	54	73	103	170	220	242	265	339	425	571	489		
PCUF	CUFG	20	18	20	19	18	19	18	20	20	20	20	19	22	20	21	21	21	19	20	20	19	21	18	17	17	17	
PCUF	CUFK	16	16	15	16	15	16	16	18	14	14	15	15	15	14	13	15	15	14	14	14	15	14	14	15	15	14	
Total Co-Gen		36	34	35	35	33	35	34	38	34	34	35	35	34	37	34	34	36	36	35	32	35	34	33	35	33	32	
Total Gen		15696	15311	15077	14807	14460	14188	14043	13742	13599	13407	13286	13250	13270	13159	12847	12458	12316	12721	12872	13142	13519	13839	14072	13930	13744		
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	
TIE-HVDC		32	31	29	29	29	31	32	31	31	32	29	31	31	30	30	32	31	32	31	30	31	30	31	31	30	29	
TIE-PLTG		-10	25	27	15	-17	-11	27	-44	17	-17	1	-7	34	63	74	4	19	-13	-28	14	-62	-20	13	15	-14		
Interconnection		21	56	56	44	12	21	59	-13	49	15	31	24	65	93	104	35	51	18	3	44	-31	9	42	45	16		
System Total		15675	15255	15021	14763	14448	14167	13984	13755	13550	13392	13255	13226	13205	13066	12743	12423	12265	12703	12869	13098	13550	13830	14030	13885	13728		
SRev ST-Coal		150	101	90	304	389	375	407	602	618	628	616	608	614	622	701	964	959	799	786	761	752	752	742	703	704		

Daily MW Generation on Sunday

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																								
SRev CCGT-Gas		1463	1774	2030	2210	2471	2603	2660	2728	2562	2623	2720	2755	2736	2815	2864	2707	2747	2634	2702	2528	2203	1903	1726	2119	2390	2702	2703	2437	2435	2297	2289	2157	1965	1793	1973	2059	2251	2251	2187	1546	1708	1727	1798	1833	1995	2134	2185	2363
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		
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		
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		
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		
Syncon		489	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	676	676	676	676	676	676	676	676	676	676	676	676	676	676		
Hydro		431	365	365	321	319	363	363	335	326	333	359	362	362	364	370	343	355	356	356	202	204	205	202	215	216	213	211	231	231	230	231	212	210	201	212	186	316	338	319	334	300	300	299	379	463	436	456	408
S.Reserve Total		2533	2916	3161	3511	3855	4017	4106	4341	4182	4260	4371	4401	4388	4477	4611	4690	4737	4465	4520	4167	3835	3536	3346	3713	3986	4289	4294	4042	4044	3903	3894	3743	3614	3427	3558	3635	3931	3965	3723	2898	2903	2864	2953	3069	3109	3227	3319	3495