

Daily System Generation Summary on Sunday

Sunday, July 10, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,454 MW
Distillate	0 MW
Total TNB	2,454 MW
Total IPP	19,762 MW
Total Co-Gen	0 MW
Total System	25,292 MW

Generation Mix

Type	MWh	Percentage
Hydro	17,852	5.74 %
Gas	30,017	9.65 %
Total TNB	47,869	15.38 %
ST-Coal	169,673	54.53 %
LSS	3,548	1.14 %
Gas	89,612	28.80 %
Total IPP	262,833	84.47 %
Co-Gen	258	0.08 %
Total Co-Gen	258	0.08 %
Total Generation	310,960	99.94 %
PLTG	2,165	0.70 %
HVDC	-2,350	-0.76 %
Interconnection	-185	-0.06 %
Net Energy	311,145	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	17,542 MW
TNB Generation	2,105 MW
IPP Generation	13,093 MW
Spinning Reserve	2,326 MW
Maximum Demand	15,137 MW
Net Energy	311,145 MWH
Load Factor	85.65 %

Fuel Cost

Total Cost:	99,939,209.71 RM
Cost per Unit	32.14 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	931
Hydro	331
Syncon	639
Thermal	920
Total	2,821

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	29
SRDG	10
Total TNB	40
CBPS	44
EMPP	299
NPRI	150
PCGP	76
SPGP	163
Total IPP	731
Total Gas	771
Total Gas Required	771

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	15137	14508	13867	13304	12857	12566	12360	12104	11437	11415	11699	11835	11836	12006	12299	12628	12790	12766	12710	13187	14597	14608	14372	14240

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Saturday, August 6, 2022 9:57:35 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	609	353	218	218	214	214	214	215	213	213	213	213	216	215	213	213	215	213	215	215	213	213	214	214	213	213	213	215	213	214	213	214	213	214	214	215	214	214	214	213	213	213	214	215	213	214	214			
JMAH	U002	696	708	570	360	354	221	213	213	214	214	214	214	213	213	214	213	213	214	213	214	213	213	214	213	213	215	215	213	213	214	214	213	214	213	212	214	214	214	214	213	213	213	214	215	213	214	214			
JMHE	U001	976	980	981	937	899	901	902	902	846	847	813	801	801	800	799	800	799	798	798	802	801	801	799	803	802	798	802	803	802	800	801	800	801	800	801	802	800	800	800	923	939	940	939	940	936	939	938	936		
JMHE	U002	978	981	980	934	900	902	899	900	847	847	808	800	801	800	820	799	799	800	800	799	800	797	801	802	800	797	802	803	799	800	800	798	801	800	799	801	801	803	802	942	939	937	939	940	936	940	936	939		
JMJG	U001	662	659	660	666	663	662	660	662	663	661	662	661	641	594	595	516	497	503	506	506	508	503	508	507	508	517	507	443	450	449	447	449	448	450	447	446	448	470	546	627	666	660	656	657	660	661	658	660		
JMJG	U002	668	668	671	672	666	669	671	669	670	673	666	666	646	593	596	540	510	515	514	516	515	516	514	516	512	514	519	502	469	470	470	469	470	470	471	469	469	547	634	668	661	645	590	601	600	598	600	604		
JMJG	U003	669	671	670	670	674	664	667	668	670	666	672	668	644	593	590	541	503	508	506	506	508	503	508	506	507	506	507	507	507	507	508	536	625	661	667	666	664	662	666	664	666	665	667	665	665	667	661	668		
JMJG	U004	974	976	969	959	901	901	899	897	862	850	846	805	804	801	804	801	803	803	803	806	803	803	804	801	804	801	804	804	801	804	804	804	804	805	803	803	803	803	804	840	898	938	941	940	941	939	940	940		
PKLG	U003	149	149	149	149	149	149	149	149	149	147	149	150	151	149	150	149	149	149	149	150	149	149	148	149	148	149	148	148	148	149	149	150	150	149	149	149	149	149	149	149	149	149	150	149	149	149	149			
PKLG	U004	153	155	157	158	158	157	143	143	141	143	146	146	147	145	150	144	144	144	146	145	144	145	146	145	144	145	145	143	145	144	147	147	146	145	144	144	146	146	144	147	144	139	146	146	146	148	146			
PKLG	U005	270	269	269	262	269	267	269	269	268	270	269	269	268	268	269	267	271	268	267	268	271	269	269	269	269	269	268	269	269	269	268	268	269	269	268	269	269	269	269	269	269	269	268	269	270	268	268	268	268	
PKLG	U006	268	269	269	268	269	268	269	268	269	269	269	270	267	269	267	269	269	267	269	267	270	267	269	270	267	270	267	268	269	268	268	269	268	268	268	267	268	268	269	269	269	269	269	269	268	269	270	267	270	269
TBIN	U002	705	703	702	702	703	702	698	641	412	258	212	215	212	213	213	214	212	213	214	212	213	214	213	212	213	214	212	212	212	212	213	212	212	212	212	214	212	271	405	499	696	729	700	598	450	273	211			
TBIN	U003	698	701	611	601	603	403	259	211	212	211	209	209	210	209	211	210	209	210	210	209	209	209	209	210	209	209	210	209	211	209	209	208	211	209	210	210	210	210	211	211	212	211	210	211	211	210	212			
TBIN	U004	939	941	941	936	901	904	905	901	855	854	839	803	803	804	804	802	800	804	805	802	803	806	804	803	802	804	803	800	801	803	802	806	801	803	802	802	803	804	802	858	935	938	938	936	937	939	940	940		
Total ST-Coal		9414	9183	8817	8492	8323	7984	7817	7708	7289	7125	6988	6891	6819	6668	6696	6478	6391	6410	6415	6415	6421	6411	6417	6419	6416	6416	6426	6342	6307	6313	6314	6343	6430	6473	6468	6466	6470	6572	6795	7396	7673	7889	7863	7852	7748	7600	7419	7370		
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	223	222	222	223	219	230	223	223	226	227	227	225	228	222	223	222	222	222	224	223	222	224	223	222	221	220	222	267	352	354	355	354	357	318	219	221	301	361	360	354	358	357	358	361	365	363				
EMPP	BLK1	709	711	710	709	692	720	710	710	712	712	716	716	711	716	709	710	663	568	546	549	584	605	590	568	545	590	541	617	709	709	710	709	710	714	709	631	676	689	709	705	707	671	678	693	697	709	716	711		
EMPP	BLK2	709	711	710	710	707	719	710	709	712	712	716	715	711	716	709	710	658	565	540	551	585	601	590	565	545	590	553	606	709	709	710	709	710	715	710	655	684	692	708	704	706	684	686	693	697	709	717	712		
EMPP	BLK3	708	707	709	708	692	720	710	710	712	712	716	716	710	716	710	710	682	589	562	572	605	634	618	586	570	612	556	606	548	710	710	710	710	715	709	634	670	691	709	705	708	671	666	692	698	710	717	711		
GLGR	GT02	93	94	93	93	93	93	93	94	93	93	93	93	94	94	94	94	94	94	94	94	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	94	94	108	108	107	107	106	106					
GLGR	ST1C	40	40	40	41	41	41	41	41	42	41	41	41	41	41	41	40	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	45	47	47	47	46	46	46	47						
NPRI	BLK1	515	514	515	516	509	520	515	515	519	518	521	516	520	521	515	331	319	320	320	320	320	316	320	318	320	320	316	501	505	505	505	503	505	511	505	498	503	504	506	505	506	500	501	500	502	506	513	509		
NPRI	BLK2	417	459	485	464	437	536	509	447	533	533	532	532	527	534	459	353	335	415	458	456	464	473	469	455	448	481	455	473	455	477	474	528	520	530	525	472	487	493	526	516	521	487	487	501	510	524	536	532		
PCGP	PGRG	398	400	403	401	394	418	402	399	411	409	414	408	406	414	399	401	402	403	400	402	405	395	402	501	500	501	595	593	602	600	603	600	600	614	602	589	596	597	604	601	602	586	596	592	599	599	617	607		
SPGP	BLK1	500	450	451	450	450	452	451	451	451	452	452	453	451	451	451	451	450	452	452	451	453	452	450	450	450	451	451	450	450	452	451	451	453	451	501	717	718	719	718	717	718	719	720	718	712	711	709			
SPGP	BLK2	718	719	719	719	719	500	449	451	452	500	451	452	450	451	451	451	450	451	451	450	451	451	449	450	450	450	450	450	450	450	450	450	451	449	451	717	717	717	716	716	718	719	717	715	717	712	709	699		
Total CCGT-Gas		5030	5027	5057	5034	4953	4949	4813	4751	4862	4909	4879	4869	4846	4882	4759	4474	4317	4119	4086	4109	4224	4284</																												

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	HY02	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	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	HY03	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	
PGAU	HY04	21	21	21	22	22	22	22	22	22	22	23	22	22	22	22	22	22	22	22	22	21	21	21	21	
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	50	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	49	
SYPS	HY01	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	
SYPS	HY03	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	
SYPS	HY04	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	
TMGR	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	
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	
TMGR	HY04	42	42	56	59	41	86	85	49	85	83	83	85	70	85	86	86	86	86	86	40	41	41	58	84	
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	92	86	88	-1	
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	91	-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		754	733	635	674	657	703	701	665	701	702	699	701	699	702	686	701	703	703	703	703	704	704	704	704	704
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	0	0	0	0	0	0	0	0	0	0	0	
BKLS	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	
BSLS	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	
CHLS	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	
GBLS	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	
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	
JELS	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	
KDLS	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	
KMLS	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	
KNLS	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	
PKLS	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	4	4	4	5	4	4	4	5	4	5	4	4	4	4	5	5	3	6	5	4	5	4	5	
PCUF	CUFK	14	4	4	3	6	4	4	5	4	5	5	3	4	3	2	9	24	25	26	23	19	4	4	5	
Total Co-Gen		18	8	8	7	11	8	8	9	9	8	9	9	10	9	8	10	6	9	7	7	6	13	28	30	
Total Gen		15216	14951	14517	14207	13944	13644	13339	13133	12861	12744	12575	12470	12374	12261	12149	11672	11470	11352	11410	11496	11700	11812	11805	11871	
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	
TIE-HVDC		-99	-99	-97	-97	-98	-98	-100	-97	-97	-97	-99	-99	-97	-99	-97	-96	-97	-97	-99	-99	-97	-98	-98	-99	
TIE-PLTG		179	149	107	103	174	88	135	110	101	110	106	126	112	113	144	91	133	104	94	112	99	121	68	83	
Interconnection		79	50	9	6	77	-10	35	13	4	14	9	27	14	16	45	-8	33	7	-5	13	1	22	-30	-13	

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																								
System Total		15137	14901	14508	14201	13867	13654	13304	13120	12857	12730	12566	12443	12360	12245	12104	11680	11437	11345	11415	11483	11699	11790	11835	11884	11836	11978	12006	12271	12299	12555	12628	12661	12790	12841	12766	12740	12710	12792	13187	14035	14597	14603	14608	14578	14372	14301	14240	14127
SRev ST-Coal		374	351	505	603	764	762	768	828	883	885	887	895	963	1032	1028	1033	1031	1029	1033	1026	1027	1029	1030	1032	1032	1031	1030	1029	1032	1033	1033	1028	1022	984	985	986	985	985	973	856	735	620	640	661	733	677	686	670
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	4	1	2	3	2	1	1	0	4		
SRev CCGT-Gas		852	855	825	848	929	933	1069	1131	1020	973	1003	1013	1036	1000	1123	1408	1565	1763	1796	1773	1658	1598	1636	1632	1697	1530	1610	1231	1098	868	783	734	734	695	679	517	478	425	250	218	185	340	319	267	231	187	129	176
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 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 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		675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	
Hydro		425	446	369	330	347	301	303	339	303	302	305	303	305	302	318	303	301	301	301	301	301	300	300	300	300	300	300	301	301	300	300	298	298	296	392	380	379	379	360	378	430	444	441	343	343	325	297	296
S.Reserve Total		2326	2327	2374	2456	2715	2671	2815	2973	2881	2835	2870	2886	2979	3009	3144	3419	3572	3768	3805	3775	3661	3602	3641	3639	3704	3536	3615	3236	3106	2876	2791	2735	2729	2650	2544	2558	2517	2465	2258	2131	1839	1894	1891	1948	1983	1865	1787	1821