

Daily System Generation Summary on Sunday

Sunday, October 2, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,347 MW
Distillate	0 MW
Total TNB	2,347 MW
Total IPP	18,586 MW
Total Co-Gen	0 MW
Total System	23,863 MW

Generation Mix

Type	MWh	Percentage
Hydro	18,796	5.87 %
Gas	36,703	11.45 %
Total TNB	55,499	17.32 %
ST-Coal	196,773	61.40 %
LSS	4,415	1.38 %
Gas	62,834	19.61 %
Total IPP	264,022	82.39 %
Co-Gen	688	0.21 %
Total Co-Gen	688	0.21 %
Total Generation	320,209	99.92 %
PLTG	56	0.02 %
EGAT	6	0.00 %
HVDC	-315	-0.10 %
Interconnection	-253	-0.08 %
Net Energy	320,462	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:	20:30:00 Hour
Total Set On Bus	16,705 MW
TNB Generation	3,444 MW
IPP Generation	12,021 MW
Spinning Reserve	1,211 MW
Maximum Demand	15,546 MW
Net Energy	320,462 MWH
Load Factor	85.89 %

Fuel Cost

Total Cost:	108,051,279.20 RM
Cost per Unit	33.74 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,251
Hydro	469
Syncon	425
Thermal	693
Total	2,838

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Cloudy	30

Gas Usage

Station	(mmcsfd)
GLGR	48
TJGS	127
Total TNB	175
CBPS	37
EMPP	159
NPRI	64
PCGP	75
PGLA	55
PLPS	38
SPGP	84
Total IPP	512
Total Gas	687
Total Gas Required	687

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	14486	13757	13111	12703	12391	12119	12328	11919	11590	12020	12604	12852	12710	12830	13133	13442	13821	13616	13498	14203	15466	15482	15176	14807

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, November 2, 2022 2:33:10 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	707	703	705	704	706	706	707	705	708	705	708	705	705	704	706	671	655	679	707	718	707	605	463	404	241	215	213	214	213	212	214	215	214	214	213	214	214	214	214	215	214	213	213	213	214	214	214	214	214
JMAH	U002	709	705	701	705	701	707	704	610	347	208	214	214	213	214	214	214	212	214	328	470	607	710	708	706	701	676	398	248	214	212	213	213	214	213	215	213	213	213	214	214	214	213	214	214	214	214	214		
JMHE	U001	984	917	903	897	852	851	798	801	803	799	800	802	803	799	797	799	804	803	795	798	801	802	802	800	800	798	802	795	803	800	838	881	880	879	882	877	878	880	880	955	977	982	980	976	978	976	977	981	
JMHE	U002	981	918	900	897	850	853	799	800	802	800	799	801	802	800	798	798	803	801	797	798	801	802	804	797	801	800	802	795	803	803	843	881	881	878	884	879	878	878	881	982	981	979	982	980	979	980	977	978	
JMJG	U001	668	667	667	668	666	666	668	668	667	667	667	667	672	667	667	666	667	666	667	668	669	666	666	666	667	668	667	668	667	671	667	663	664	663	668	669	666	666	667	668	669	670	674	670	672	672	675	656	
JMJG	U002	675	675	680	673	678	672	674	674	675	678	673	671	673	676	678	667	674	670	679	675	671	676	677	673	676	672	673	676	671	679	674	673	672	679	671	675	673	678	674	672	675	667	677	670	672	679	673		
JMJG	U004	975	955	900	889	844	845	844	847	843	842	843	848	845	848	866	902	904	899	900	903	901	901	899	901	900	898	900	899	900	900	895	900	900	902	900	900	898	899	899	944	974	974	972	972	976	973	972	972	
JMJG	U005	955	908	900	899	847	845	809	798	803	800	797	801	800	800	799	799	795	800	798	799	800	798	799	799	800	800	796	798	800	801	820	881	881	881	881	881	871	883	882	959	957	952	952	952	953	954	952	951	
PKLG	U003	47	46	46	47	46	48	48	50	48	48	47	48	47	48	46	45	47	49	49	51	53	53	54	54	54	43	15	15	36	34	34	33	34	34	35	33	0	0	0	0	0	0	0	0	0	0	0	0	
PKLG	U004	152	145	148	157	153	150	155	153	153	154	158	149	148	148	161	157	157	157	153	155	153	153	153	153	153	153	154	157	156	156	157	155	156	156	157	155	156	152	155	154	154	155	154	157	152	154	153		
PKLG	U005	271	271	347	441	464	470	426	362	285	269	272	269	268	268	268	269	269	268	269	268	267	269	269	269	267	269	267	273	270	269	267	270	269	267	267	269	268	268	268	269	268	268	271	267	269	269	269	268	268
PKLG	U006	448	446	448	448	449	449	450	398	308	271	269	268	269	269	268	267	273	270	269	269	268	271	269	268	269	268	269	269	269	268	269	268	268	268	268	269	268	268	269	268	268	271	269	268	269	271	269	269	
TBIN	U002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	184	220	357	420	499	602	699	698	699	699	699	697	698	698	698	701	700	701	698	701	701	699	698	701	445	430
TBIN	U003	699	700	698	701	697	699	700	700	702	701	700	698	700	697	698	701	701	700	699	700	701	700	618	604	605	621	702	699	688	528	343	231	210	212	212	212	211	281	407	569	715	698	701	700	700	700	699	700	
TBIN	U004	874	939	905	904	853	853	823	807	802	804	805	803	801	803	806	803	804	802	802	804	801	805	803	805	802	803	802	802	805	814	806	855	885	883	882	883	882	883	882	884	938	945	942	943	944	942	940	944	943
Total ST-Coal		9145	8995	8948	9030	8806	8814	8605	8373	7946	7746	7752	7744	7746	7742	7769	7793	7783	7754	7775	7926	8077	8263	8312	8180	8263	8157	8248	8051	8026	7838	7743	7767	7802	7835	7831	7818	7778	7864	7993	8507	8712	8684	8701	8686	8700	8686	8439	8401	
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	198	201	201	195	190	193	197	185	201	203	198	203	205	201	190	190	189	201	196	195	204	190	195	199	191	203	196	195	198	200	193	201	202	242	257	202	207	253	269	271	264	267	267	263	259	263	263	261	
EMPP	BLK1	693	704	648	405	358	363	372	351	377	375	373	374	378	377	360	357	358	374	368	366	376	359	367	375	360	375	364	369	372	410	453	418	708	707	638	690	717	723	717	722	710	710	710	709	687	708	710	711	
EMPP	BLK3	691	703	411	447	395	400	408	388	417	526	409	410	496	431	396	358	360	375	370	367	377	360	369	378	361	377	365	370	373	411	646	707	710	710	711	710	717	723	717	722	709	710	713	709	687	708	710	710	
GLGR	GT01	66	67	66	65	67	66	67	66	67	65	67	69	67	67	66	66	67	68	65	66	67	66	67	66	67	67	65	67	66	64	67	66	65	66	66	66	66	66	80	104	104	104	103	103	104	103	104		
GLGR	GT02	66	65	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	81	103	102	102	103	102	103	103	103		
GLGR	ST1C	70	70	70	70	70	70	70	70	71	71	70	70	71	70	70	70	70	70	70	70	70	70	70	70	71	71	70	71	71	70	71	71	71	71	71	71	71	71	76	94	94	94	94	94	93	95	94	94	
NPRI	BLK2	514	479	338	298	288	293	299	288	309	311	305	311	314	311	292	292	292	309	301	301	311	293	298	305	295	312	298	302	302	507	496	509	509	509	511	509	517	518	517	519	508	509	508	509	503	508	511	509	
PCGP	PGRG	393	401	401	395	396	392	393	397	406	407	399	403	409	403	399	399	400	401	407	416	424	415	402	408	402	416	403	571	591	598	580	601	600	602	605	601	614	624	617	622	601	604	601	600	588	602	602	603	
PGLA	GT11	135	135	136	135	135	135	135	135	136	152	157	158	157	150	150	149	157	153	153	157	150	151	155	150	156	151	152	152	155	150	155	156	155	157	156	159	161	222	221	224	223	225	224	223	227	228	227		
PGLA	GT12	136	135	135	136	136	136	136	136	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PGLA	ST10	179	180	179	179	179	179	179	180	79	83	83	83	83	81	80	82	83	83	82	83	82	84	82	84	82	84	82	83	84	83	84	84	84	84	85	110	111	112	112	112	113	113	112	113	112	113	112		
PLPS	GT11	115	115	115	115	115	115	128	128	128	128	128	128	128	129	128	128	128	129	128	129	129	129	129	129	129	129	128	127	129	129	129	129	129	129	129	129	129	143	143	142	143	145	145	147	148	148	148		
PLPS	GT12	119	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	ST18	135	70	70	70	70	70	70	56	56	56	56	56	56	56	56	57	56	56	57	57	57	57	57	57	57	57	57																						

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	
HTRG	HY02	62	63	63	62	63	63	63	63	62	62	63	62	63	63	63	62	62	63	63	63	121	121	121	62	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	
KNRG	HY01	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	
KNRG	HY02	38	38	38	38	38	38	38	38	39	38	39	39	38	38	23	24	24	39	39	38	38	38	38	38	38
KNYR	HY01	100	100	100	100	99	100	99	99	100	100	100	100	100	99	99	100	99	100	100	100	100	100	100	100	100
KNYR	HY02	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	103	103	103	103	103	104	103
KNYR	HY03	102	0	0	0	0	0	0	0	59	58	100	100	101	101	60	-1	-1	96	97	96	96	96	96	101	101
KNYR	HY04	101	101	101	101	100	101	100	100	101	101	101	101	101	60	59	60	60	0	0	0	0	0	0	60	99
LPIA	HY01	16	18	18	18	16	16	16	16	16	16	16	16	16	17	17	17	17	15	15	15	15	15	15	15	15
LPIA	HY02	16	16	16	16	16	12	12	12	12	12	12	12	14	16	17	17	17	17	15	15	15	15	15	15	15
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	22	-1	-1	-1	-1	-1	20	20	20	21	21	21	20	20	20	20	22	22	22	22	22	23	22	22	22
PGAU	HY02	0	0	0	0	0	0	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	20	20	20	20	20	20	20	
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	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	HY03	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TMGR	HY01	79	80	80	0	-1	-1	-1	-1	0	0	0	0	-1	-1	-1	0	-1	-1	-1	-1	-1	0	-1	0	
TMGR	HY02	45	48	47	45	59	46	47	40	83	87	45	51	87	43	41	41	58	44	43	86	46	46	73	42	
TMGR	HY03	79	79	80	32	28	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
TMGR	HY04	80	80	80	32	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
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	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
Total Hydro		991	875	874	694	673	624	665	636	681	745	703	751	786	787	743	525	439	463	649	614	658	614	611	639	485
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	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	
MNLS	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	

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	
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	15	66	147	205	283	350	425	500	552	590	573
KHTC	BLK1	4	4	3	5	3	4	2	2	4	2	2	4	0	4	4	2	3	2	2	2	1	0	0	0	0
PCUF	CUFG	19	19	19	18	19	19	21	19	21	20	21	23	20	20	21	20	21	20	21	20	21	20	20	20	22
PCUF	CUFK	5	5	4	4	4	4	4	4	6	4	4	5	4	4	3	5	4	5	3	4	4	3	4	4	4
Total Co-Gen		28	28	26	27	26	27	27	25	31	26	27	32	24	28	27	27	28	28	25	27	25	26	25	23	25
Total Gen		14481	14034	13738	13375	13123	12998	12695	12571	12364	12267	12126	12205	12276	12262	11982	11624	11598	11748	11984	12190	12496	12735	12776	12758	12670
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
TIE-HVDC		-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	0	0	0	0	0
TIE-PLTG		25	19	11	27	42	40	21	64	3	-7	36	-37	-22	18	93	57	38	-25	-6	-26	-78	-34	-76	-71	-14
Interconnection		-5	-11	-19	-3	12	11	-8	35	-27	-36	7	-67	-52	-12	63	28	8	-55	-36	-55	-108	-34	-76	-71	-14
System Total		14486	14045	13757	13378	13111	12987	12703	12536	12391	12303	12119	12272	12328	12274	11919	11596	11590	11803	12020	12245	12604	12769	12852	12829	12710
SRev ST-Coal		239	308	421	439	530	506	566	689	695	693	693	689	686	687	699	711	755	773	747	711	729	718	779	814	786
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
SRev CCGT-Gas		1114	1079	1565	1831	1957	2142	2277	2387	2218	2045	1920	1886	1844	1859	2121	2300	2282	2208	2234	2224	2178	2157	2236	2200	2257
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
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
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
Syncon		374	525	525	525	613	701	550	571	483	571	483	483	483	483	571	701	702	714	550	550	550	550	550	550	550
Hydro		304	169	170	263	196	157	292	295	251	286	329	281	246	245	288	458	443	420	485	420	376	420	423	395	550
S.Reserve Total		2031	2081	2681	3145	3296	3506	3685	3942	3734	3595	3512	3426	3346	3361	3679	4170	4182	4202	4016	3905	3833	3845	3988	3959	4142
		14677	14677	14677	14677	14677	14677	14677	14677	14677	14677	14677	14677	14677	14677	14677	14677	14677	14677	14677	14677	14677	14677	14677	14677	14677