

Daily System Generation Summary on Sunday

Sunday, September 18, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,139 MW
Distillate	0 MW
Total TNB	2,139 MW
Total IPP	17,682 MW
Total Co-Gen	0 MW
Total System	23,448 MW

Generation Mix

Type	MWh	Percentage
Hydro	17,723	5.66 %
Gas	41,842	13.37 %
Total TNB	59,565	19.03 %
ST-Coal	180,363	57.63 %
LSS	4,191	1.34 %
Gas	67,180	21.47 %
Total IPP	251,734	80.44 %
Co-Gen	843	0.27 %
Total Co-Gen	843	0.27 %
Total Generation	312,142	99.74 %
PLTG	899	0.29 %
HVDC	-1,719	-0.55 %
Interconnection	-820	-0.26 %
Net Energy	312,962	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	16,264 MW
TNB Generation	3,246 MW
IPP Generation	11,664 MW
Spinning Reserve	1,311 MW
Maximum Demand	15,020 MW
Net Energy	312,962 MWH
Load Factor	86.82 %

Fuel Cost

Total Cost:	97,355,201.78 RM
Cost per Unit	31.14 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,601
Hydro	316
Syncon	364
Thermal	505
Total	2,786

Time Weather Temperature

Afternoon	Rainy	27
Morning	Rainy	25

Gas Usage

Station	(mmcsfd)
GLGR	29
TJGS	80
Total TNB	109
CBPS	37
EMPP	226
NPRI	81
PCGP	71
PGLA	7
SKSP	26
SPGP	171
Total IPP	619
Total Gas	728
Total Gas Required	728

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	14314	13686	13210	12633	12343	12052	12162	11893	11596	11973	12377	12723	12598	12689	12755	12857	12890	12887	12924	13745	14912	14944	14579	14137

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, October 5, 2022 9:09:16 AM

(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	713	707	704	707	706	705	704	705	703	498	368	219	217	214	217	214	215	215	216	215	214	214	216	215	214	215	214	216	215	215	215	215	215	214	213	215	216	214	216	216	216	216	214	215					
JMHE	U001	902	900	801	802	799	802	801	802	801	800	802	802	803	801	806	797	800	802	800	800	804	798	802	807	800	797	804	800	802	797	821	820	818	821	821	819	822	821	820	940	939	940	940	942	938	941	940	899	
JMHE	U002	902	904	804	801	798	802	800	802	801	800	800	802	801	801	804	797	802	803	800	799	801	799	800	805	799	799	804	801	802	798	819	817	818	819	824	822	820	820	819	943	936	940	942	940	937	940	938	904	
JMJG	U001	659	657	659	660	659	656	654	659	657	656	657	658	660	656	657	654	656	660	657	657	661	673	678	677	677	678	678	677	678	683	677	678	678	674	678	680	677	677	678	675	672	676	680	681	678	679	675	593	
JMJG	U002	676	678	675	669	674	671	673	677	673	675	673	677	671	672	672	673	674	672	678	684	674	681	683	685	683	682	683	683	687	684	682	679	685	685	686	683	685	685	683	689	685	684	686	684	684	678	685	688	
JMJG	U004	921	920	873	815	804	806	804	805	804	805	804	804	806	805	805	804	808	805	805	804	806	804	807	806	805	806	804	804	801	806	825	827	823	823	823	824	825	822	822	829	887	940	940	940	940	938	941	939	933
JMJG	U005	895	900	796	800	804	804	803	803	794	798	803	801	799	804	799	800	801	799	801	801	800	796	803	798	800	797	800	800	801	800	822	821	823	820	816	820	819	824	810	892	897	895	900	941	944	937	940	930	
PKLG	U006	450	448	440	440	445	445	413	320	271	269	269	272	268	269	268	267	268	267	267	269	269	269	268	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	268	268			
TBIN	U002	702	703	701	703	701	703	703	704	702	703	703	703	701	701	705	708	702	702	703	705	697	699	703	702	701	702	703	699	699	700	703	703	702	702	703	703	706	699	702	708	702	702	709	702	701	702	557		
TBIN	U003	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	550			
TBIN	U004	875	874	805	805	802	802	804	803	803	803	804	803	802	803	803	802	803	803	806	803	804	803	802	802	802	802	803	803	803	804	825	822	821	822	822	822	822	825	825	825	874	873	876	872	873	873	874	875	874
Total ST-Coal		8396	8392	7959	7903	7893	7897	7860	7781	7710	7508	7384	7242	7230	7226	7234	7218	7229	7229	7234	7238	7231	7237	7264	7266	7251	7246	7264	7253	7257	7257	7358	7350	7353	7352	7359	7359	7358	7365	7348	7785	7835	7839	7844	7894	7878	7877	7877	7411	
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
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
CBPS	BLK2	201	201	201	201	201	201	202	200	201	200	201	201	203	203	198	193	201	201	202	202	206	201	201	195	198	200	201	199	198	191	195	198	201	201	201	201	197	201	202	265	267	270	269	267	264	265	264	266	
EMPP	BLK1	410	411	409	415	407	412	411	413	410	407	410	413	412	410	408	404	409	409	411	417	429	428	412	412	404	409	412	409	408	398	406	409	409	411	411	406	417	513	711	708	710	711	710	696	655	402	409		
EMPP	BLK2	542	439	471	464	426	419	411	412	418	451	427	493	523	416	408	403	413	429	411	422	438	424	433	411	405	411	412	437	408	409	397	405	409	410	412	412	406	412	670	709	708	710	711	710	704	697	701	709	
EMPP	BLK3	623	489	541	474	446	433	410	414	424	495	445	558	567	474	410	404	449	507	445	533	451	437	434	412	405	411	412	438	409	410	398	405	410	410	412	412	406	472	711	709	707	709	711	704	697	628	647	707	
GLGR	GT02	92	91	92	91	92	92	92	92	92	92	92	92	92	91	92	92	92	93	93	92	92	92	93	93	92	92	92	92	92	92	91	91	91	91	91	92	91	91	91	92	92	92	92	92	92	92	92	92	
GLGR	ST1C	40	41	41	40	40	40	40	41	41	41	40	39	41	41	40	40	41	40	40	41	40	41	41	41	40	42	40	41	41	41	41	41	41	40	40	41	40	40	41	40	41	41	41	41	41	40	41		
NPRI	BLK2	518	518	517	517	518	519	515	518	516	517	516	521	514	508	519	518	518	520	524	526	520	522	511	514	518	518	517	515	505	510	514	518	517	520	513	519	522	520	517	519	519	516	511	511	509	515			
PCGP	PGRG	601	602	602	505	399	402	400	397	401	400	401	395	406	404	401	400	403	403	402	404	412	413	406	404	394	394	398	401	397	394	384	387	393	403	399	401	489	534	610	601	597	602	601	594	590	589	581	593	
PGLA	GT12	146	111	111	111	111	111	112	96	75	64	52	51	0	0	0	0	0	0	0	0	0	0	0	0	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	82	68	67	64	63	62	62	57	46	43	37	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SKSP	BLK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	67	149	153	147	292	217	218	217	221	218	220	219	218	218	218	217	217	219	217	217	226	304	305	230	219	218	219	217	218	
SPGP	BLK1	724	725	724	726	649	550	451	397	400	397	447	443	451	601	493	388	399	401	399	400	456	508	451	450	441	447	448	451	495	544	533	542	592	726	719	727	719	726	726	726	720	724	724	723	718	719	715	724	
SPGP	BLK2	722	723	723	726	648	549	451	399	404	399	449	443	453	602	494	388	399	401	400	402	455	508	450	451	440	446	448	450	495	547	533	542	592	600	710	724	717	728	723	724	722	720	723	719	716	718	707	722	
TJGS	GT2A	132	131	130	129	130	131	131	131	131	131	131	132	131	131	132	131	132	129	131	131	131	131	131	130	130	130	130	131	131	131	131	131	131	131	131	131	131	131	131	220	219	188	130	130	130	130			
TJGS	GT2B	128	125	127	128	127	127	127	127	127	127	128	126	126	128	128	128	128	128	128	128	128	128	128	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	128	125	215	215	214	183	126	128	128		
TJGS	ST2C	194	194	194	194	194	194	194	194	194	194	194	194	194	194	194	194	194	194	194	194	194	194	194	194	194	194	194	194	194	194	194	194	194	194	194	194	194	194	248	250	250	250	230	198	195	193	193		
Total CCGT-Gas		5155	4869	4950	4785	4450	4241	4013	3885	3882	3957	3968	4130	4171	4216	3911	3673	3777	3856	3792	3953	4105	4188	4039	4140	3996	4031	4051	4111	4132	4230	4143	4195																	

Daily MW Generation on Sunday

		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	14	14	14	14	14	14	15	15	14	14	14	14	15	14	14	14	17	17	17	17	17	17	17	16	15	15	16	17	16	16	15	16	16	16	16	13	12	12	12	12	16	16	16	16	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	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	20	20	21	21	21	21	21	21	22	22	22	22	22	21	22	22	21	22	22	22	22	22	22	22	21	22	22	22	22	22	22	22	22	22	22	22	22	22	21	21	21	21	21	21	21	21	22			
PGAU	HY02	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	22	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1				
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51	51	51	51	51	31	31	31	31	31		
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	30	30	30	30	30		
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	17	17	17	17	17	17		
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	17	17	17	17	17	17
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	17	17	17	17	17	17
TMGR	HY01	0	-1	0	-1	-1	0	-1	-1	0	-1	0	-1	0	-1	0	-1	0	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	33	34	-1	34	34	34	33	-1	-1	-1
TMGR	HY02	45	62	47	85	46	45	46	45	45	62	45	59	51	45	45	45	69	47	58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
TMGR	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	32	32	32	32	31	30	30	32	
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	41	83	63	66	40	83	41	70	41	43	40	42	41	43	41	41	41	82	63	42	42	83	81	65	75	51	49	80		
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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1				
Total Hydro		613	629	616	652	681	700	680	679	680	680	697	679	696	685	680	680	522	710	689	701	691	732	736	631	686	728	685	716	686	689	744	749	744	747	684	680	741	846	824	963	908	985	983	943	914	835	832	866		
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	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	2	0	1	2	3	4	6	6	6	8	13	11	10	14	11	14	12	13	13	6	5	2	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	2	6	13	15	18	19	19	24	27	21	17	20	18	12	16	15	14	10	7	4	2	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	6	7	11	12	20	29	31	32	24	30	20	16	18	11	21	8	6	4	5	2	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	6	11	16	17	29	25	22	15	10	15	21	20	19	20	9	9	12	10	6	2	1	1	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	3	3	0	3	5	6	16	20	24	28	35	30	39	30	34	35	25	13	2	2	3	2	2	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	1	4	6	4	5	6	14	15	20	20	19	15	12	11	18	24	15	16	15	6	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	1	6	7	11	11	17	18	21	29	32	34	34	38	32	32	36	21	28	13	11	7	3	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	3	4	8	10	11	15	23	21	23	22	23	26	21	24	26	21	10	12	8	5	2	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	3	4	8	4	19	29	40	39	22	31	20	23	37	40	20	26	14	10	11	8	5	1	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	14	20	30	32	55	79	60	66	65	91	81	55	58	22	41	16	16	16	12	6	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	1	8	16	19	26	28	36	29	29	35	37	21	34	28	28	25	21	14	11	6	3	1	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	1	5	6	9	9	20	22	18	23	21	25	23	12	7	17	6	7	5	6	4	1	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	1	1	9	28	28	18	33	58	52	57	79	70	42	65	73	55	56	36	36	22	10	7	1	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	3	9	9	6	12	16	17	18	24	25	16	22	23	19	20	12	12	6	4	2	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	1	3	5	12	16	23	24	39	39	29	35	26	23	21	25	20	22	15	10	4	2	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	8	11	11	24	44	87	114	71	92	76	77	77	61	112	51	101	94	55	27	38	17	7	2	2	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	1	4	7	16	22	31	40	30	21	30	22	5	11	10	17	17	15	14	9	9	6	2	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	2	1	3	8	9	19	22	15	18	20	9	21	25	21	20	16	18	12	10	8	5	2	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	1	2	4	5	8	13	16	20	19	15	12	14	16	16	15	25	14	11	7	2	1	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	1	1	2	8	13	18	27	30	29	19	30	14	22	24	30	21	19	12	19	7	7	3	2	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	6	29	55	128	231	315	444	576	617	576	607	589	625	555	609	544	517	462	323	233	185	108	48	5	3	0	0	0	0	0	0	0	0	0	0	
KHTC	BLK1	3	2	1	3	4	0	4	4	3	3																																								

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 ST-Coal		227	221	442	487	486	493	524	527	548	620	619	613	619	625	619	617	620	615	607	603	614	600	582	587	591	591	593	594	590	587	554	559	558	562	558	555	554	549	568	353	324	320	312	364	380	382	380	692
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 CCGT-Gas		1155	1441	1360	1525	1860	2069	2297	2425	2428	2353	2342	2180	2010	1734	2039	2277	2173	2094	2208	2147	2095	2012	2241	2160	2304	2269	2249	2189	2168	2070	2157	2105	1981	1822	1719	1691	1643	1493	820	295	235	214	284	404	599	713	974	853
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		426	514	426	615	514	275	514	514	426	514	426	514	426	514	426	514	426	514	426	338	338	187	338	338	338	338	338	338	338	338	338	338	338	464	464	338	338	338	339	426	275	427	426	426	426	514	514	580
Hydro		274	257	271	233	281	414	282	283	283	282	266	283	267	277	283	282	441	252	273	262	273	232	379	333	278	236	279	248	278	275	345	340	219	216	280	284	288	356	378	524	340	351	353	393	422	413	416	381
S.Reserve Total		2169	2433	2586	2860	3141	3338	3617	3749	3772	3769	3740	3590	3409	3150	3454	3690	3747	3475	3602	3438	3320	3182	3389	3418	3511	3434	3459	3369	3374	3270	3394	3342	3222	3064	2895	2868	2823	2737	2192	1447	1326	1311	1375	1587	1827	2022	2284	2506