

Daily System Generation Summary on Monday

Monday, August 22, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,462 MW
Distillate	0 MW
Total TNB	2,462 MW
Total IPP	18,807 MW
Total Co-Gen	0 MW
Total System	25,121 MW

Generation Mix

Type	MWh	Percentage
Hydro	21,609	5.94 %
Gas	52,442	14.41 %
Total TNB	74,051	20.34 %
ST-Coal	182,506	50.14 %
LSS	6,232	1.71 %
Gas	100,828	27.70 %
Total IPP	289,566	79.55 %
Co-Gen	493	0.14 %
Total Co-Gen	493	0.14 %
Total Generation	364,110	100.03 %
PLTG	1,830	0.50 %
HVDC	-1,736	-0.48 %
Interconnection	94	0.03 %
Net Energy	364,016	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	19,157 MW
TNB Generation	3,808 MW
IPP Generation	14,019 MW
Spinning Reserve	1,311 MW
Maximum Demand	17,830 MW
Net Energy	364,016 MWH
Load Factor	85.07 %

Fuel Cost

Total Cost:	115,803,861.56 RM
Cost per Unit	31.80 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	536
Hydro	368
Syncon	506
Thermal	303
Total	1,713

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Rainy	28

Gas Usage

Station	(mmcsfd)
GLGR	46
TJGS	133
Total TNB	179
CBPS	46
EMPP	228
NPRI	160
PCGP	82
PGLA	104
PLPS	42
SPGP	175
Total IPP	837
Total Gas	1,016
Total Gas Required	1,016

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	13969	13261	12819	12474	12274	12115	12409	12753	13345	15036	15916	16447	16457	16269	17040	17571	17830	17251	16255	16111	16923	16739	16211	15712

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, September 6, 2022 9:41:45 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Monday

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	216	214	217	215	215	215	216	216	215	217	215	214	215	216	216	217	364	609	705	704	705	704	705	706	704	707	707	704	706	705	708	707	704	706	704	705	699	707	705	703	706	706									
JMAH	U002	213	217	215	214	213	214	213	213	213	213	214	214	213	213	213	213	214	215	213	388	494	705	707	707	706	705	702	701	705	707	705	704	706	708	705	702	704	705	705	704	707	704	703	702	704	703					
JMHE	U002	900	846	848	849	799	797	799	797	798	804	801	801	802	799	800	799	803	947	950	983	979	979	982	976	978	979	982	980	979	983	980	979	977	980	979	975	976	977	976	978	980	976	978	981	976	978	978	979			
JMJG	U001	671	666	579	506	422	430	431	431	431	427	425	426	426	431	428	432	497	551	634	673	677	673	669	662	669	668	667	671	673	669	671	671	675	665	668	665	662	672	664	662	632	640	642	645	643	638	671	676			
JMJG	U002	676	673	671	557	435	443	444	443	438	440	441	442	442	440	442	444	504	574	665	671	675	674	673	676	673	674	673	673	672	676	673	677	672	677	674	673	676	676	670	677	672	672	673	677	675	675	673	676			
JMJG	U003	666	662	666	641	506	433	434	436	437	436	438	435	438	433	428	435	472	521	583	548	549	603	683	673	664	672	667	671	666	673	670	671	666	673	666	665	677	665	669	668	667	669	667	669	669	660	666				
JMJG	U004	897	887	848	846	800	799	804	801	799	804	799	801	801	801	800	800	800	846	904	961	972	972	972	972	972	972	974	976	973	974	975	973	974	974	978	976	977	977	977	977	978	979	978	978	977	977	975	976			
JMJG	U005	899	879	848	846	798	794	797	801	801	798	796	803	798	803	800	798	799	906	951	983	974	976	973	977	972	980	972	976	974	975	975	974	972	975	974	973	972	975	972	974	974	973	973	977	974	977	976	972			
PKLG	U004	151	153	152	151	151	150	149	148	151	152	151	153	152	149	152	151	149	149	155	153	148	151	148	150	148	150	151	150	149	148	155	150	150	151	151	152	150	152	151	148	148	152	150	153	151	151	152	150			
PKLG	U006	269	269	268	268	268	268	269	269	269	268	269	269	269	269	268	268	268	268	269	271	268	269	269	268	269	269	269	269	269	268	269	268	268	269	269	269	269	269	269	269	269	269	269	269	269	269	269				
TBIN	U001	213	213	212	212	211	213	214	211	212	214	214	212	212	211	212	212	212	212	212	212	212	211	212	211	212	210	211	212	210	211	212	213	211	211	212	213	211	210	211	212	210	210	210	212	212	212					
TBIN	U002	328	222	211	213	211	213	212	213	215	212	213	212	214	212	213	213	408	626	703	703	701	699	701	702	702	701	699	699	699	700	702	703	701	705	700	704	701	705	706	701	703	706	701	703	703	700	701	706			
TBIN	U004	900	879	852	853	800	800	802	806	803	803	805	805	804	803	804	803	804	874	942	941	939	933	939	939	938	935	938	940	938	938	936	938	936	939	937	936	937	936	937	936	937	937	937	937	937	937	936				
Total ST-Coal		6999	6780	6587	6371	5829	5769	5783	5785	5783	5786	5783	5788	5786	5779	5776	5784	6146	7051	7791	8019	8005	8179	8339	8629	8617	8617	8619	8620	8616	8616	8629	8628	8619	8620	8628	8613	8609	8636	8609	8613	8580	8590	8587	8608	8592	8586	8614	8627			
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	301	298	291	288	294	291	289	288	289	286	293	293	294	297	290	293	289	280	286	290	295	294	296	296	293	197	201	202	296	301	301	302	302	300	292	299	297	301	299	300	300	300	301	298	288	291	293	294			
EMPP	BLK1	710	710	679	679	714	709	696	691	709	685	598	652	709	717	710	713	706	678	675	678	693	688	694	695	686	692	710	710	709	713	710	712	710	709	702	709	708	709	710	711	710	710	711	711	697	700	710	711			
EMPP	BLK2	711	708	696	693	714	709	708	705	709	702	621	669	709	717	711	712	713	693	690	693	706	702	708	706	701	706	710	710	709	713	709	711	710	709	702	708	708	710	711	711	709	710	711	711	697	700	710	710			
EMPP	BLK3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
GLGR	GT01	106	107	106	106	106	105	92	92	91	92	92	92	90	91	92	92	91	91	101	104	104	105	103	105	104	105	103	104	105	103	104	75	66	66	73	105	82	64	65	66	77	105	103	104	104	102	104	65	66	67	
GLGR	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	41	71	102	103	103	103	103	103	103	103	103	103	103	103	103	74	65	65	73	103	80	65	65	65	79	104	105	103	103	103	103	103	65	66	65
GLGR	ST1C	45	45	45	44	44	44	41	41	40	41	40	40	40	40	39	39	41	79	94	94	94	94	94	94	93	94	94	94	83	70	70	71	93	85	71	70	70	73	93	94	93	94	93	94	93	75	70	70			
NPRI	BLK1	514	514	504	501	521	515	514	510	514	508	512	516	517	521	516	519	513	500	497	502	509	506	511	510	507	460	311	515	510	516	517	517	517	517	505	514	511	516	516	517	517	514	515	516	499	504	517	515			
NPRI	BLK2	526	523	512	509	535	526	521	518	524	517	521	524	526	535	524	527	516	510	505	500	511	449	436	415	470	463	456	524	518	527	525	527	527	524	514	523	519	525	524	525	524	523	523	526	508	513	525	525			
PCGP	PGRG	601	600	578	572	613	604	598	590	598	588	593	600	601	617	601	608	601	573	566	577	592	583	594	592	581	591	602	601	590	612	612	607	607	603	581	398	395	402	402	403	402	399	401	401	399	399	402	402			
PGLA	GT11	220	221	217	218	223	220	220	159	133	132	132	131	161	231	213	150	222	189	153	129	168	221	221	188	145	134	134	134	134	146	219	219	225	225	222	224	223	225	225	225	225	225	227	221	222	226	227				
PGLA	GT12	217	215	211	210	218	217	215	163	136	135	136	135	166	220	216	154	218	192	155	130	172	215	215	189	145	137	137	137	147	217	221	216	214	211	215	213	214	214	214	213	213	215	208	210	214	214					
PGLA	ST10	238	234	235	232	239	239	235	207	180	180	180	180	189	238	239	195	235	226	193	176	198	231	231	207	193	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176			
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	0				
PLPS	GT13	0	0	0	0	0	0	0	0	0	9	42	42	42	43	43	44	50	143	144	125	125	125	125	124	125	125	121	123	123	123	112	113	135	135	135	110	113	110	112	134	134	135	134								

Daily MW Generation on Monday

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	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
HTRG	HY02	63	63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	120	121	63	63	0	0
HTRG	HY04	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
KNRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	62	121	64	63
KNRG	HY02	25	25	24	24	26	25	25	0	0	0	0	0	0	0	0	0	0	0	32	33	33	33	32	32
KNRG	HY03	22	22	21	21	23	23	22	37	37	37	37	37	37	21	21	21	22	35	35	35	35	35	35	35
KNYR	HY01	101	101	100	100	102	102	60	60	60	60	59	59	60	102	101	101	100	100	99	99	100	100	100	100
KNYR	HY02	0	0	0	60	60	101	59	59	59	59	58	58	59	102	101	101	105	105	104	104	105	105	105	105
KNYR	HY03	104	104	104	103	103	103	59	59	59	59	58	58	59	60	103	103	104	104	103	103	103	103	103	103
KNYR	HY04	102	102	102	101	101	101	59	59	59	59	58	58	60	61	101	101	101	101	101	101	101	101	101	101
LPIA	HY01	15	15	15	15	15	15	15	15	15	15	15	17	17	17	17	17	17	16	16	16	16	15	15	15
LPIA	HY02	15	15	15	15	15	15	14	15	15	15	14	15	15	15	15	15	15	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	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	22	22	22	22	23	23	22	22
PGAU	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
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	32	31	31
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	30	31	50	50
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	25	25
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	25	25
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	25	25
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	83	30	31	82	82	82	34	32	34	82	82	82
TMGR	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	0	36	0	36
TMGR	HY03	84	52	40	38	84	84	41	41	41	40	42	57	55	84	63	82	56	38	37	38	76	82	82	40
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	82	82	82	32	31
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		626	591	513	569	624	663	447	424	426	424	421	439	440	578	618	639	616	719	669	669	883	921	956	838
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
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

Daily MW Generation on Monday

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																									
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	14	14	15	21	36	29	52	32	52	52	41	52	29	48	36	20	27	22	5	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	1	3	4	15	22	26	30	33	35	39	42	41	40	27	33	30	32	30	24	20	15	12	7	2	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	2	4	7	12	15	19	22	25	27	25	22	28	29	18	17	13	8	7	8	7	6	7	3	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	1	10	17	26	30	30	30	30	24	30	30	29	30	31	30	28	30	27	24	22	6	8	2	1	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	22	125	186	272	533	618	697	662	804	838	833	841	791	815	771	744	655	559	484	503	348	241	102	26	4	0	0	0	0	0	0	0	0	0		
PCUF	CUFG	18	17	18	18	17	17	17	18	19	18	18	18	17	18	18	17	17	15	16	15	14	13	13	15	14	14	13	14	14	14	15	15	15	15	15	15	16	15	15	17	17	17	19	18	18				
PCUF	CUFK	5	5	4	5	4	2	5	4	5	6	5	5	4	4	5	6	5	4	4	4	2	4	6	6	5	5	3	6	5	4	3	6	5	4	4	4	5	4	4	3	3	5	2	3	4	5	4		
Total Co-Gen		23	22	22	23	21	19	22	22	24	24	23	24	23	22	21	23	22	22	23	20	20	19	18	15	17	21	20	19	18	17	20	19	19	18	19	19	19	20	19	20	18	18	22	19	20	23	23	22	
Total Gen		13935	13661	13278	13095	12795	12735	12491	12298	12281	12236	12116	12284	12453	12813	12772	12701	13320	14359	15019	15451	15891	16225	16400	16563	16452	16210	16207	16600	17033	17440	17562	17646	17846	17821	17324	16753	16300	16079	16124	16762	16960	16911	16763	16547	16303	16049	15725	15470	
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			
TIE-HVDC		-29	-29	-30	-30	-29	-29	-31	-31	-29	-29	-30	-30	-28	-28	-36	-99	-98	-99	-98	-98	-98	-100	-96	-99	-97	-97	-100	-96	-97	-97	-97	-96	-96	-99	-99	-99	-99	-99	-99	-99	-99	-96	-99	-99	-96	-98	-99	-29	-29
TIE-PLTG		-5	12	47	48	5	81	48	67	36	37	31	29	73	20	47	12	74	84	82	64	73	53	52	40	94	30	35	58	89	54	88	63	112	148	172	161	144	120	112	104	133	140	124	115	189	167	42	57	
Interconnection		-34	-16	17	18	-24	52	17	36	7	8	1	0	44	-8	19	-24	-25	-14	-17	-34	-25	-45	-47	-56	-5	-67	-62	-42	-7	-43	-9	-34	16	52	73	62	45	21	13	6	37	41	24	18	92	69	13	28	
System Total		13969	13677	13261	13077	12819	12683	12474	12262	12274	12228	12115	12284	12409	12821	12753	12725	13345	14373	15036	15485	15916	16270	16447	16619	16457	16277	16269	16642	17040	17483	17571	17680	17830	17769	17251	16691	16255	16058	16111	16756	16923	16870	16739	16529	16211	15980	15712	15442	
SRev ST-Coal		747	784	853	928	957	957	960	953	955	953	954	955	948	955	959	956	872	627	326	331	334	408	253	277	277	276	274	279	277	269	265	273	274	269	284	286	260	289	278	271	265	267	248	261	267	282	268		
SRev CCGT-Gas		182	201	313	337	188	195	250	422	441	710	823	679	518	278	315	575	618	471	637	691	536	492	366	514	612	1027	1144	959	752	621	510	400	294	254	457	950	998	1136	1054	595	437	449	543	692	934	1149	1058	1059	
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	
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	
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	
Syncon		827	827	827	827	827	827	827	827	827	827	827	827	827	676	827	827	827	739	739	739	651	651	651	651	651	651	651	651	651	464	313	464	464	464	464	464	464	464	277	277	277	277	464	313	464	615	703		
Hydro		299	334	287	331	276	237	453	388	386	388	391	373	372	385	194	173	196	309	359	359	320	195	195	365	402	378	423	308	274	345	474	258	280	294	616	500	443	415	348	464	385	432	487	385	573	458	300	353	
S.Reserve Total		2055	2146	2280	2423	2248	2216	2490	2590	2609	2880	2994	2833	2672	2287	2291	2534	2597	2391	2362	2115	1838	1672	1620	1783	1942	2333	2494	2192	1956	1707	1566	1387	1311	1286	1806	2198	2191	2275	2155	1614	1370	1423	1574	1789	2081	2338	2255	2383	