

Daily System Generation Summary on Monday

Monday, August 15, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,512 MW
Distillate	0 MW
Total TNB	2,512 MW
Total IPP	19,412 MW
Total Co-Gen	0 MW
Total System	24,845 MW

Generation Mix

Type	MWh	Percentage
Hydro	24,592	6.54 %
Gas	32,737	8.71 %
Total TNB	57,329	15.25 %
ST-Coal	228,623	60.81 %
LSS	6,308	1.68 %
Gas	83,846	22.30 %
Total IPP	318,777	84.78 %
Co-Gen	497	0.13 %
Total Co-Gen	497	0.13 %
Total Generation	376,603	100.16 %
PLTG	-103	-0.03 %
HVDC	721	0.19 %
Interconnection	618	0.16 %
Net Energy	375,985	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:	16:30:00 Hour
Total Set On Bus	19,222 MW
TNB Generation	3,013 MW
IPP Generation	14,982 MW
Spinning Reserve	1,210 MW
Maximum Demand	17,984 MW
Net Energy	375,985 MWH
Load Factor	87.11 %

Fuel Cost

Total Cost:	129,686,467.97 RM
Cost per Unit	34.43 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	493
Hydro	419
Syncon	349
Thermal	202
Total	1,463

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	34
SRDG	4
TJGS	92
Total TNB	130
CBPS	45
EMPP	190
KLPP	49
NPRI	139
PCGP	75
PGLA	61
SPGP	94
Total IPP	651
Total Gas	781
Total Gas Required	781

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	14729	14199	13577	12945	12636	12557	12874	12997	13625	15509	16390	16924	17030	16551	17205	17731	17932	17734	16620	16436	17595	17587	16968	16628

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, September 6, 2022 11:44:31 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	709	706	702	705	704	698	705	707	703	706	701	704	706	708	702	705	705	707	707	706	705	708	706	707	709	704																							
JMAH	U002	708	706	707	703	708	702	704	707	705	706	706	704	706	704	705	706	703	705	704	704	705	702	707	706	705	704																							
JMHE	U002	981	979	979	980	848	852	848	852	852	851	852	852	853	848	831	853	866	980	980	981	978	978	983	975	978	984																							
JMJG	U001	649	643	642	643	663	679	677	676	668	669	668	666	668	667	670	666	668	663	668	667	669	663	662	662	662	650																							
JMJG	U002	677	673	672	672	673	673	673	673	671	678	673	672	669	673	674	674	676	662	664	670	671	660	673	666	666	672																							
JMJG	U003	669	674	587	604	596	600	598	596	590	589	614	672	667	672	667	669	669	672	669	672	671	677	668	671	672	667																							
JMJG	U004	972	969	971	972	919	866	852	854	852	854	853	854	852	853	854	854	865	924	971	972	971	971	972	972	971	972																							
JMJG	U005	978	978	980	977	864	850	852	851	851	854	852	849	851	851	853	851	884	978	980	980	978	981	978	977	983	983																							
PKLG	U004	150	145	149	149	150	150	152	150	146	143	147	149	148	148	147	145	147	146	146	147	147	146	147	148	148	146																							
PKLG	U006	268	268	268	268	269	268	268	268	269	268	267	270	269	271	267	269	269	268	269	269	268	268	269	269	269	344																							
TBIN	U001	692	698	473	265	218	212	213	214	213	212	212	211	213	213	213	211	355	648	697	702	698	701	697	702	697	697																							
TBIN	U002	700	699	698	697	700	699	698	703	700	701	702	699	701	703	694	702	701	702	705	698	706	701	700	702	699	698																							
TBIN	U003	699	700	698	696	702	697	697	698	699	700	699	702	700	700	698	701	703	699	698	699	699	700	698	699	700	615																							
TBIN	U004	944	943	944	944	944	855	854	854	855	857	853	855	854	853	855	851	858	936	943	943	942	941	945	944	943	944																							
Total ST-Coal		9796	9781	9470	9275	8958	8801	8791	8803	8774	8788	8799	8859	8855	8862	8836	8856	8924	9393	9750	9810	9818	9802	9825	9809	9816	9787	9815	9798	9799	9819	9795	9808	9802	9800	9796	9792	9808	9804	9805	9796	9802	9826	9784	9888	9976	9973	9949	9780	
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	
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	201	201	201	202	204	201	204	199	202	204	201	201	201	201	201	319	328	328	330	332	332	320	285	196	201	295	331	323	332	322	331	323	322	322	328	332	334	332	331	325	330	325	328	329	325	325			
EMPP	BLK1	539	583	700	582	708	675	517	469	412	450	412	375	379	421	427	467	555	625	651	696	700	710	711	709	686	694	707	684	707	686	710	694	680	696	682	677	678	694	710	710	710	708	685	710	682	711	709	709	
EMPP	BLK2	536	582	704	577	704	679	509	471	411	449	412	416	651	468	424	462	536	626	667	710	709	710	708	711	706	709	710	707	709	706	710	707	707	707	706	710	711	709	710	711	708	710	707	711	711	711			
GLGR	GT01	92	92	92	91	93	92	93	92	91	91	91	92	92	93	91	91	91	91	91	90	90	91	91	92	91	90	91	90	92	91	90	91	92	91	90	91	92	92	91	107	106	107	107	107	107				
GLGR	GT02	0	0	0	0	0	0	0	0	0	0	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	44	65	77	106	105	105	106	106	105	106				
GLGR	ST1C	40	40	41	40	41	41	40	40	40	41	40	40	41	40	41	40	40	40	40	40	40	40	40	41	40	40	40	40	40	40	40	40	40	41	40	40	41	76	96	98	98	98	98	98	97				
KLPP	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
KLPP	GT14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KLPP	GT15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KLPP	ST17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NPRI	BLK1	310	311	310	310	314	311	314	308	310	313	311	310	315	311	310	311	308	442	515	516	515	516	509	508	397	506	516	507	516	513	502	516	503	502	511	515	517	515	512	507	516	509	514	520	517	516	517	516	517
NPRI	BLK2	433	335	337	337	337	335	338	333	337	338	335	335	336	336	335	336	335	334	335	357	472	451	462	524	434	445	437	506	451	511	519	515	505	516	506	506	506	515	520	523	520	517	509	519	514	520	521	519	
PCGP	PGRG	402	401	402	402	408	401	405	396	403	405	404	397	406	401	401	401	402	402	499	492	499	504	552	552	534	488	448	433	604	583	604	595	576	592	579	577	574	492	503	609	600	599	585	601	590	554	403	403	
PGLA	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	0	
PGLA	GT12	149	149	149	149	151	150	150	148	150	151	149	150	150	150	150	150	150	150	150	148	148	203	226	228	179	192	151	140	141	221	223	211	218	218	218	218	140	143	142	194	217	218	198	0	0	0	0	0	0
PGLA	ST10	83	83	82	83	82	83	82	82	82	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	
SPGP	BLK1	403	401	401	402	421	401	402	400	403	402	403	401	720	719	600	720	716	718	648	703	716	716	718	720	719	718	717	720	719	715	716	713	714	715	716	715	717	717	712	712	712	709	720	721	600	600	600		
SPGP	BLK2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TJGS	GT2A	132	132	131	131	134	131	131	131	131	132	133	133	133	133	133	132	133	133	131	130	132	150	219	219	216	173	130	130	163	188	218	215	209	212	207	207	207	209	152	157	218	218	219	219	219	219	219	219	
TJGS	GT2B	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	125	128	128	125	127	145	211	211	217	171	127	127	158	183	212	215	217	214	217	220	217	217	144	152	212	212	213	213	213	213	213	213		
TJGS	ST2C	194	194	194	194	194	194	194	194	194	194	194	194	194	194	194	194	194	194	194	194	199	252	252	252	232	193	193	199	229	252	252	249	252	249	249	249	249	249	204	204	251	251	251	251	251	251	251	251	
Total CCGT-Gas		3641	3																																															

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
CEND	HY03	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9
CEND	HY04	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
HTRG	HY01	121	120	120	120	123	123	52	62	62	-1	-1	-1	-1	63	62	62	62	120	121	63	63	63	63	63
HTRG	HY02	119	118	119	119	0	0	0	0	0	0	0	0	0	119	120	121	120	118	118	121	120	119	119	119
KNRG	HY01	32	23	0	0	0	0	0	0	0	0	0	0	0	0	0	31	32	32	32	32	32	32	21	21
KNRG	HY02	37	23	0	0	0	0	0	0	0	0	0	0	0	0	0	37	37	37	37	37	37	37	37	37
KNRG	HY03	35	22	23	23	23	23	22	22	23	23	23	23	23	37	37	35	35	35	35	35	35	35	35	35
KNYR	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	99	99	99	99	99	99	99
KNYR	HY02	105	106	105	105	105	105	102	101	101	102	101	102	102	106	105	105	105	105	105	105	105	105	105	105
KNYR	HY03	104	104	104	104	104	104	103	103	103	103	104	104	104	104	104	104	104	103	103	103	103	103	103	103
KNYR	HY04	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	101	101	101	101	101	101	101	101
LPIA	HY01	17	17	17	16	16	16	16	16	16	16	16	16	16	17	17	17	18	18	18	18	18	18	16	15
LPIA	HY02	16	16	16	16	16	16	16	16	16	16	16	16	16	17	17	17	18	18	18	18	18	18	16	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	20	21	20	20	20	21	21	21	21	22	22	21	21	21	21	21	21	21
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	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	31	50	50
SIHY	HY02	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	50
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	50
SYPS	HY01	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17
SYPS	HY03	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17
SYPS	HY04	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17
TMGR	HY01	59	83	45	43	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	82	82	83	82	83	83	82	34	35	35
TMGR	HY02	87	87	-1	0	0	0	0	0	0	0	0	0	0	0	85	85	85	84	85	84	84	31	31	31
TMGR	HY03	82	82	82	82	32	32	32	32	32	32	32	32	32	50	73	83	54	40	43	43	58	83	40	40
TMGR	HY04	82	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	64	82	82	82	82	82	82	82	83	31	80
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	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
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		1262	1030	859	857	647	647	575	582	582	475	475	475	496	475	476	508	780	1015	1030	1081	1140	1144	1101	1222
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	1	2	5	10	9	18	17	22	24	25	27
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	9	17	18	24	24	32	30	34	34
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	6	16	21	25	28	31	32	30	32
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	15	18	23	31	37	23	27	25	27
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	9	16	20	26	30	33	34	34	37
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	9	14	19	22	24	25	27	29	22
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	5	10	21	28	31	37	40	43	43	47	46
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	12	14	21	23	28	21	29	30	28
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	10	16	19	27	37	29	36	36	13
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	5	14	17	45	38	68	77	87	89	85	90
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	7	21	24	28	34	37	38	29	39
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	5	14	19	22	26	29	30	29	29
KNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	3	23	42	58	59	94	95	100	73
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	8	16	15	16	26	31	31	29	25
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	8	19	27	30	37	39	42	45	41

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	
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	
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	20	19	19	18	19	19	20	20	19	19	19	19	17	17	17	15	14	15	15	13	12	12	12	11	18
PCUF	CUFK	5	5	3	5	4	6	6	5	5	5	6	3	6	5	4	5	4	3	5	5	4	3	5	5	5
Total Co-Gen		25	24	22	23	23	25	26	25	24	24	25	22	25	24	22	22	21	21	20	19	19	19	18	17	16
Total Gen		14724	14466	14222	13782	13546	13294	12897	12802	12670	12668	12593	12612	12885	13039	12970	12989	13692	14787	15493	15967	16467	16815	16951	17172	17017
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		28	30	30	30	30	29	29	30	30	30	30	31	31	31	30	30	30	30	31	31	31	29	29	30	30
TIE-PLTG		-33	-35	-7	-52	-61	-53	-77	12	4	-27	6	-2	-20	-12	-58	-5	37	21	-47	-54	47	1	-2	-92	-43
Interconnection		-5	-4	23	-22	-31	-24	-48	42	34	3	36	29	11	19	-27	26	67	51	-16	-24	77	30	27	-62	-13
System Total		14729	14470	14199	13804	13577	13318	12945	12760	12636	12665	12557	12583	12874	13020	12997	12963	13625	14736	15509	15991	16390	16785	16924	17234	17030
SRev ST-Coal		176	185	254	241	427	560	561	548	571	558	550	580	584	578	585	585	571	339	260	199	188	206	184	201	193
SRev CCGT-Gas		1798	1808	1568	1812	1521	1618	1934	2047	2149	2058	2145	2183	1930	1761	1803	1846	1699	1427	1258	1090	823	555	451	347	611
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 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 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 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		525	613	701	613	701	701	701	701	827	827	827	676	827	827	827	827	613	525	525	525	525	525	525	525	525
Hydro		264	233	236	239	236	236	308	301	301	234	234	234	364	234	233	201	268	258	291	320	261	257	300	279	420
S.Reserve Total		2763	2839	2759	2905	2885	3115	3504	3597	3722	3677	3756	3824	3554	3400	3448	3459	3151	2549	2334	2134	1797	1543	1460	1352	1749