

Daily System Generation Summary on Monday

Monday, August 8, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,488 MW
Distillate	0 MW
Total TNB	2,488 MW
Total IPP	19,017 MW
Total Co-Gen	0 MW
Total System	24,136 MW

Generation Mix

Type	MWh	Percentage
Hydro	26,948	7.14 %
Gas	34,370	9.11 %
Total TNB	61,318	16.25 %
ST-Coal	231,884	61.46 %
LSS	4,827	1.28 %
Gas	79,728	21.13 %
Total IPP	316,439	83.87 %
Co-Gen	604	0.16 %
Total Co-Gen	604	0.16 %
Total Generation	378,361	100.28 %
PLTG	337	0.09 %
HVDC	728	0.19 %
Interconnection	1,065	0.28 %
Net Energy	377,296	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	18,917 MW
TNB Generation	3,047 MW
IPP Generation	14,842 MW
Spinning Reserve	999 MW
Maximum Demand	17,879 MW
Net Energy	377,296 MWH
Load Factor	87.93 %

Fuel Cost

Total Cost:	128,561,603.78 RM
Cost per Unit	33.98 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	547
Hydro	342
Syncon	331
Thermal	160
Total	1,380

Time	Weather	Temperature
Afternoon	Cloudy	30
Morning	Rainy	23

Gas Usage

Station	(mmscfd)
GLGR	29
SRDG	8
TJGS	82
Total TNB	118
CBPS	48
EMPP	199
NPRI	122
PCGP	75
PGLA	76
SPGP	123
Total IPP	643
Total Gas	762
Total Gas Required	762

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	14404	13875	13385	13059	12869	13068	13081	13706	15557	16470	16916	16854	16618	17358	17652	17879	17572	16556	16504	17512	17475	16988	16617

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, September 6, 2022 3:11:26 PM

(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	U002	709	707	701	707	704	706	705	706	707	707	705	705	707	707	707	706	705	706	703	705	706	705	706	708	706	703	709	705	706	705	706	708	708	709	707																
JMHE	U001	978	978	973	982	899	854	853	851	855	850	848	850	847	851	855	851	862	978	984	979	974	983	979	980	975	978	979	983	977	980	984	981	977	981	981	978	975	979	983	982											
JMHE	U002	977	980	977	982	898	851	853	847	852	848	851	849	848	848	855	850	864	978	979	981	974	979	978	976	978	977	980	981	978	981	980	977	980	977	982	981	980	978	983	981	980	980	982	980	981						
JMJG	U001	673	671	671	677	669	671	675	675	675	675	675	675	675	673	667	668	668	671	672	669	667	669	672	669	669	672	673	669	670	676	673	669	678	670	658	663	662	665	666	668	666	666	667	666	669	663	667	678			
JMJG	U002	685	679	686	686	683	683	681	681	681	681	681	681	684	682	681	683	685	688	688	690	687	682	683	680	684	680	681	684	689	688	683	687	677	684	678	687	685	682	680	689	678	681	688	679	669	679					
JMJG	U004	978	977	977	974	931	878	870	870	870	870	870	870	870	852	854	852	854	912	934	951	976	975	977	979	976	977	979	978	976	979	976	976	974	976	972	976	975	975	973	972	972	971	970	973	972	975					
JMJG	U005	978	977	976	977	895	849	845	845	845	845	845	845	845	851	850	851	858	971	979	980	981	977	980	981	978	982	983	982	976	982	983	981	980	983	985	981	972	981	975	974	971	968	969	976	977	975	973	971			
PKLG	U004	274	274	254	202	165	150	151	151	150	155	155	152	156	153	153	154	153	252	279	278	275	275	274	269	274	276	272	278	277	277	277	276	274	275	274	273	275	277	270	274	276	274	276	273	274	276	277				
PKLG	U005	460	472	443	347	270	269	269	269	269	269	269	271	268	269	268	269	269	332	429	466	468	468	465	466	472	470	468	469	469	468	463	466	468	469	469	468	464	464	466	471	468	467	466	466	466	462	467	464			
PKLG	U006	446	448	448	371	288	269	269	269	269	269	269	269	269	269	268	269	268	269	335	415	449	446	451	448	449	396	440	448	446	447	449	448	441	449	448	446	450	449	448	449	449	449	448	447	448	449	448				
TBIN	U001	213	214	212	213	213	213	213	212	214	215	213	213	212	216	213	211	212	213	214	292	465	628	701	701	699	697	703	701	699	697	703	701	698	700	701	698	700	700	699	699	700	699	699	700	699	699	700				
TBIN	U002	701	700	696	701	701	699	701	703	701	699	702	701	699	703	701	709	699	702	699	698	701	698	700	700	702	702	701	702	701	685	702	699	705	700	701	702	701	702	701	701	701	700	699	695	703	700	700	708	702		
TBIN	U003	705	701	702	703	700	701	702	701	703	703	701	701	701	702	701	702	702	703	700	702	702	702	701	704	702	702	699	701	703	699	700	703	700	702	702	702	699	702	702	700	702	702	701	701	701	701	702	701	700		
TBIN	U004	943	945	941	943	906	862	853	851	853	852	855	854	851	854	852	853	852	938	940	945	943	943	933	943	930	939	944	944	943	944	944	944	944	944	945	946	943	942	944	942	940	943	944	942	944	944	944	942	944		
Total ST-Coal		9720	9723	9657	9465	8922	8655	8639	8633	8645	8636	8641	8635	8631	8627	8625	8627	8653	9378	9616	9703	9716	9724	9787	9974	10063	10205	10209	10228	10212	10232	10204	10218	10204	10188	10209	10195	10203	10196	10186	10182	10195	10198	10188	10195	10208						
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					
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				
CBPS	BLK2	348	199	193	202	288	311	201	197	201	199	201	201	198	201	200	201	311	346	349	353	349	351	352	352	351	346	350	352	353	350	344	352	353	352	347	352	342	345	352	353	353	352	349	352	345	348	349	348			
EMPP	BLK1	695	697	687	712	710	711	710	674	583	561	497	442	553	586	484	446	646	644	711	716	714	707	712	709	708	689	708	710	711	711	682	711	710	710	691	711	683	689	707	711	710	709	696	710	689	694	706	691			
EMPP	BLK2	704	708	701	711	710	710	710	672	584	562	497	441	555	586	479	445	641	643	710	716	715	708	710	708	708	702	708	711	711	711	699	711	710	710	705	712	698	702	711	710	710	708	711	704	707	711	707				
GLGR	GT02	91	92	91	91	91	91	91	92	91	91	91	91	91	91	92	91	91	91	91	91	91	92	91	91	91	91	91	91	92	91	92	91	91	91	91	91	91	91	91	91	91	91	91	92	92	92	92				
GLGR	ST1C	40	40	40	41	41	41	41	41	41	41	41	41	41	40	39	39	39	40	40	40	40	40	40	40	40	39	39	39	40	39	40	39	39	40	41	41	41	41	41	41	40	39	39	40	41	41					
NPRI	BLK1	303	307	299	311	308	311	310	306	311	306	310	310	305	310	310	310	310	313	318	316	355	310	312	308	304	307	310	402	506	507	510	510	512	509	400	338	302	311	319	518	519	517	518	515	515	512	515	508	511	444	304
NPRI	BLK2	304	305	298	308	307	310	308	304	311	307	310	309	303	310	310	309	306	310	312	316	314	309	309	311	308	304	308	309	404	397	511	520	519	520	512	402	338	311	319	518	519	517	518	520	511	481	317	314			
PCGP	PGRG	393	396	387	402	400	401	401	398	399	396	402	402	395	400	399	401	400	400	404	410	408	601	602	606	598	487	397	400	509	600	584	604	603	602	586	606	580	383	604	602	604	604	595	604	585	595	599	492			
PGLA	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	128	202	214	218	193	136	137	191	221	217	217	218	219	218	216	224	222	216	220	219	219	219	218	220	217	218	219	218					
PGLA	GT12	0	0	0	0	50	93	113	112	112	117	113	122	197	221	221	221	145	145	229	214	196	207	218	220	197	141	142	195	225	222	221	223	224	224	221	217	210	221	223	224	223	224	222	223	223	223	223				
PGLA	ST10	0	0	0	0	0	0	0	0	0	0	0	72	93	107	110	111	86	86	112	94	92	219	241	237	209	181	177	208	231	232	230	232	232	234	231	233	231	228	228	230	232	231	230	231	229	229					

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
KNRG	HY01	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
KNRG	HY02	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
KNRG	HY03	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
KNYR	HY01	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	100	99	100
KNYR	HY02	104	105	104	105	104	104	104	104	105	105	105	105	104	105	104	104	105	104	104	104	104	104	104	105
KNYR	HY03	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	103	103	103	104
KNYR	HY04	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	102	101	101	101	0
LPJA	HY01	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
LPJA	HY02	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
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	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	52	52	32	34	84	34	34	34	34	34	34	34	84	83	83	83	83	83	83	83	83	83	83	83
TMGR	HY02	55	56	32	-1	-1	-1	-1	-1	-1	-1	-1	-1	87	88	88	88	87	88	88	88	88	88	88	88
TMGR	HY03	50	50	30	0	0	0	0	0	0	0	0	0	82	83	83	83	83	83	83	83	83	83	83	83
TMGR	HY04	82	77	84	84	84	84	41	41	41	50	41	46	42	41	42	41	83	82	83	42	79	69	42	41
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	94	89	89	92	90	-1	-1	-1
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	96	96	92	91	95	-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		1137	1021	961	774	823	795	773	730	730	731	740	731	730	757	750	730	868	1011	1116	1232	1371	1403	1437	1352
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
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
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

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			
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7	15	21	25	30	25	11	18	17	30	30	3	11	22	13	11	14	17	15	21	8	6	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	2	17	91	173	256	357	412	494	556	584	529	659	666	644	521	538	578	496	549	491	421	294	208	98	22	6	0	0	0	0	0	0	0	0	0
PCUF	CUFG	19	18	20	20	20	20	20	21	22	21	21	21	21	22	22	20	20	20	19	19	21	22	22	20	20	19	21	19	19	21	24	23	23	22	21	21	22	21	22	22	21	23	24	24	24	23				
PCUF	CUFK	4	4	3	5	4	3	5	4	4	3	3	4	2	4	5	4	3	3	5	5	4	4	3	4	4	5	4	5	4	4	5	4	5	4	5	3	5	5	6	3	6	4	4	3	5	5	4	5		
Total Co-Gen		23	22	23	25	24	23	25	24	25	25	24	25	23	25	26	26	25	23	25	25	23	23	24	24	26	26	25	24	24	25	23	24	25	29	27	28	25	26	26	28	24	28	26	25	26	29	29	28	28	
Total Gen		15185	14758	14473	14222	13934	13631	13447	13243	13092	13026	12923	12878	13167	13318	13097	13128	13768	14817	15599	16062	16516	16737	16967	17096	16904	16693	16652	16978	17350	17630	17711	17758	17918	17916	17639	17046	16632	16299	16506	17260	17520	17515	17488	17342	17012	16854	16682	16197		
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	0	0		
TIE-HVDC		29	29	31	31	31	31	29	29	29	29	31	31	31	29	31	29	29	31	32	31	31	29	32	31	31	29	31	29	31	31	31	31	31	31	31	31	31	28	31	31	31	31	31	31	29	29	32	31		
TIE-PLTG		19	35	38	10	28	31	33	37	4	41	25	35	68	46	-13	-22	33	1	11	-25	16	45	22	20	19	6	5	6	-37	-44	28	-11	8	81	36	10	45	6	-29	10	-23	-9	-18	0	-5	5	34	16		
Interconnection		48	63	69	41	59	62	62	66	33	70	54	66	99	77	16	9	62	30	42	7	46	76	51	51	50	37	34	37	-8	-13	59	20	39	112	67	41	76	34	2	41	8	22	13	30	24	34	65	46		
System Total		15137	14695	14404	14181	13875	13569	13385	13177	13059	12956	12869	12812	13068	13241	13081	13119	13706	14787	15557	16055	16470	16661	16916	17045	16854	16656	16618	16941	17358	17643	17652	17738	17879	17804	17572	17005	16556	16265	16504	17219	17512	17493	17475	17312	16988	16820	16617	16151		
SRev ST-Coal		192	190	251	288	627	691	694	697	689	693	690	695	699	690	701	691	701	376	295	208	196	189	204	190	262	124	120	101	117	97	125	111	116	115	131	125	141	120	134	126	133	143	147	134	131	141	134	121		
SRev CCGT-Gas		1126	1439	1599	1473	1497	1504	1652	1806	1970	2028	2144	2433	2008	1882	2097	2063	1660	1559	1205	1631	1382	692	622	625	703	1090	1144	911	522	371	327	219	217	234	274	434	649	891	619	213	210	213	245	209	285	286	490	763		
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	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	4	3	37	0	0	0	0	0	3	1	29	74	58	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	0	
Syncon		676	676	676	890	890	739	890	890	890	890	890	890	890	739	739	890	802	802	676	338	302	151	151	302	489	676	676	489	302	302	302	151	302	302	302	676	676	676	525	302	302	302	302	489	525	525	525	676		
Hydro		171	287	347	108	59	238	109	152	152	151	142	151	152	276	283	152	102	171	192	414	311	430	396	330	269	177	174	265	339	295	372	447	360	287	380	76	174	176	304	317	325	367	399	238	352	331	329	216		
S.Reserve Total		2165	2592	2873	2759	3073	3172	3345	3545	3701	3762	3866	4169	3749	3587	3820	3796	3265	2908	2368	2591	2191	1462	1373	1447	1723	2067	2114	1766	1280	1065	1126	928	999	941	1124	1311	1640	1863	1582	958	973	1026	1122	1144	1351	1283	1478	1776		