

Daily System Generation Summary on Monday

Monday, April 25, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,038 MW
Distillate	0 MW
Total TNB	2,038 MW
Total IPP	19,407 MW
Total Co-Gen	0 MW
Total System	25,724 MW

Generation Mix

Type	MWh	Percentage
Hydro	20,409	5.39 %
Gas	35,539	9.39 %
Total TNB	55,948	14.78 %
ST-Coal	243,304	64.27 %
LSS	4,192	1.11 %
Gas	74,863	19.77 %
Total IPP	322,359	85.15 %
Co-Gen	1,267	0.33 %
Total Co-Gen	1,267	0.33 %
Total Generation	379,574	100.26 %
PLTG	538	0.14 %
HVDC	450	0.12 %
Interconnection	988	0.26 %
Net Energy	378,586	100.00 %

Maximum Demand Record

Date: 3/29/2022	18,840 MW
Date: 3/10/2020	394,238 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	14:30:00 Hour
Total Set On Bus	19,198 MW
TNB Generation	3,357 MW
IPP Generation	14,737 MW
Spinning Reserve	1,056 MW
Maximum Demand	18,098 MW
Net Energy	378,586 MWH
Load Factor	87.16 %

Fuel Cost

Total Cost:	92,368,667.25 RM
Cost per Unit	24.37 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	877
Hydro	318
Syncon	192
Thermal	239
Total	1,626

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Cloudy	27

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	70
Total TNB	99
CBPS	49
EMPP	198
NPRI	139
PCGP	48
PLPS	65
SPGP	144
Total IPP	643
Total Gas	742
Total Gas Required	742

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	15204	14588	14011	13521	13190	13248	13464	13294	14067	15668	16692	17197	17178	17099	17798	18000	17900	17099	16294	16239	16781	16995	16689	16197

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, May 9, 2022 10:31:48 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	U002	695	695	696	699	696	695	696	696	695	695	695	695	698	699	695	696	693	695	695	695	694	708	705	705	708	706	708	703	700	704	705	703	706	705	704	702	705	705	709	706	705	708	704	705					
JMHE	U001	983	930	930	928	931	850	851	850	851	850	852	850	848	849	918	978	978	983	982	985	978	979	982	977	978	980	980	981	980	985	976	978	978	980	983	982	982	978	979	982	980	979	983	982	980				
JMHE	U002	981	929	931	929	931	850	849	852	850	852	852	850	848	849	915	976	979	977	982	981	984	983	980	984	978	981	979	982	979	982	978	978	979	981	980	983	981	980	978	984	980	978	981	981	981				
JMJG	U001	667	673	668	667	665	667	667	668	667	667	666	666	667	666	670	669	668	667	664	665	665	667	668	667	667	669	670	667	669	667	668	667	673	664	668	665	665	667	667	669	667	665	666	667	668	668	668		
JMJG	U002	672	667	669	668	671	672	679	662	670	670	669	666	667	670	668	668	669	668	668	672	669	670	673	673	666	669	671	668	667	670	674	672	664	643	645	651	644	641	647	643	640	645	649	641	651	648	648	550	
JMJG	U003	668	661	664	662	671	666	666	662	662	666	669	662	662	662	663	662	665	660	664	669	666	663	664	665	671	657	651	649	639	637	643	649	673	672	671	671	673	671	671	666	664	666	672	665	668	669	669	669	
JMJG	U004	976	965	929	931	929	883	852	852	852	854	854	854	854	854	880	939	981	980	977	976	976	975	974	977	976	973	972	972	973	967	973	971	977	971	972	974	972	972	971	973	972	971	972	972	972	972	972		
JMJG	U005	974	945	931	933	933	851	846	848	848	847	845	845	848	850	848	898	977	977	975	972	982	977	973	977	973	972	974	970	971	972	975	973	972	977	975	976	974	973	961	969	973	976	975	974	974	974	974		
PKLG	U003	155	148	146	147	147	147	146	146	145	146	146	146	146	146	145	196	275	277	279	276	275	278	277	278	275	273	271	270	268	261	264	201	205	194	205	257	268	240	274	272	279	277	279	278	277	280	277	281	
PKLG	U004	190	154	151	154	155	155	155	151	154	155	155	155	155	156	156	208	265	272	272	274	273	272	272	271	264	269	272	272	269	272	274	277	273	272	273	275	274	274	272	271	268	271	274	277	275	274	272		
PKLG	U005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	80	85	85	84	112	148	160	160	161	175	198	231	267	321	345	387	463	466	467	459	470	477	477	474	466	464	470	468	468	465	462	468		
TBIN	U001	684	684	684	684	684	684	684	684	684	684	684	684	684	684	685	685	686	683	687	687	687	687	687	687	687	687	687	702	699	699	699	699	697	697	697	697	697	697	697	697	697	697	697	697	697	697			
TBIN	U002	694	694	694	694	694	694	694	694	694	694	694	694	694	694	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691		
TBIN	U003	693	693	693	693	693	693	693	693	693	693	693	693	693	693	693	692	692	688	691	694	686	686	686	686	686	686	686	704	700	700	700	700	696	696	696	696	696	696	696	696	696	696	696	696	696	696	696		
TBIN	U004	934	929	930	929	931	890	853	854	850	855	854	849	852	852	854	893	899	939	936	937	940	934	933	935	936	937	933	934	936	935	935	933	937	933	931	930	931	933	932	936	934	931	934	934	934	931	930		
Total ST-Coal		9966	9767	9716	9718	9731	9397	9331	9312	9315	9326	9329	9312	9316	9318	9323	9461	9903	10204	10250	10244	10280	10304	10331	10320	10318	10332	10338	10417	10425	10477	10508	10494	10589	10552	10552	10621	10631	10608	10652	10633	10615	10617	10652	10634	10644	10651	10636	10544	
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	0
CBPS	BLK2	358	365	362	221	223	223	222	222	224	222	224	227	228	228	227	221	226	241	365	365	363	357	367	360	358	358	358	358	362	356	361	364	359	362	357	363	288	224	302	366	365	368	366	368	364	364	365	365	
EMPP	BLK2	628	722	678	689	663	713	651	586	538	537	550	575	714	706	582	522	611	722	708	708	720	656	713	710	709	710	712	711	710	717	710	712	715	709	700	709	578	715	656	710	711	711	710	710	709	710	613	537	
EMPP	BLK3	627	722	678	688	664	713	650	586	536	537	550	576	715	704	581	522	611	722	709	708	720	656	713	711	710	709	712	710	710	716	710	713	715	708	700	709	574	710	656	709	711	710	711	710	709	707	613	538	
GLGR	GT02	94	94	94	94	93	93	94	93	93	93	93	93	94	94	94	94	94	94	93	93	94	93	93	94	93	93	94	94	106	106	106	107	107	94	94	94	94	94	94	94	94	94	94	94	94	94	94		
GLGR	ST1C	40	40	40	40	40	40	39	40	40	40	40	39	40	40	40	39	39	39	40	40	40	40	40	40	40	40	40	44	47	46	47	46	41	40	40	41	39	40	40	40	40	40	40	40	39	40	40	41	
NPRI	BLK1	512	526	515	397	398	402	398	311	311	313	311	311	316	309	311	307	400	523	515	518	522	515	517	517	515	513	515	515	517	521	517	518	516	505	361	310	316	313	308	398	483	515	514	502	310	308	308		
NPRI	BLK2	514	536	520	447	389	342	337	335	335	337	336	334	338	334	335	330	400	535	520	521	535	519	520	521	519	520	516	518	520	524	520	520	523	523	493	335	339	373	337	335	416	490	452	448	352	334	334	334	
PCGP	PGRG	261	275	261	261	262	267	263	260	261	265	263	262	266	260	263	263	261	277	262	265	602	309	263	264	263	262	262	262	262	339	265	264	269	265	263	262	263	269	263	262	265	259	263	262	262	262	261	261	
PLPS	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54	120	138	139	139	138	139	138	140	138	117	119	117	109	111	112	113	112	111	133	143	143	113	112	111	127				
PLPS	GT12	147	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	109	140	142	122	112	118	115	120	119	119	119	143	151	151	152	119	119	118	46		
PLPS	GT13	135	137	140	139	125	125	125	125	124	125	125	125	125	124	124	125	125	144	142	141	139	139	142	142	140	139	141	140	139	140	114	116	112	85	0	0	0	0	0	0	0	0	0	0	0	0	0		
PLPS	ST18	143	59	59	59	58	57	58	57	58	58	58	58	58	58	58	58	61	59	59	58	129	143	143	143	143	143	190	211	212	206	197	200	192	132	132	132	132	129	136	144	145	144	132	131	132	115			
SPGP	BLK1	500	401	401	399	362	362	360	361	361	360	362	361	361	449	452	451	362	360	530	716	718	715	709	648	599	501	548	547	649	716	717	712	548	399	360	361	362	359	362	362	360	360	361	361	359				

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	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
KNRG	HY03	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
LPIA	HY01	17	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
LPIA	HY02	18	18	17	17	17	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
MNOR	HY01	6	6	6	6	6	6	6	6	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4
PGAU	HY03	19	20	20	20	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
PGAU	HY04	20	20	20	20	21	20	20	20	20	20	20	20	21	21	20	21	21	81	82	81	122	122	122	122
SIHY	HY02	50	50	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY03	50	50	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY01	25	25	25	25	17	17	17	17	17	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY03	25	25	25	25	17	17	17	17	17	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY04	25	25	25	25	17	17	17	17	17	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY01	42	85	56	69	62	77	46	42	44	58	42	55	85	44	42	41	47	87	84	85	87	44	60	84
TMGR	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
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
TMGR	HY04	-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	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	145	147	147	94	103	145	153	138
UJLI	HY02	90	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	148	150	151	151	116	117	150	150
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		471	424	393	406	376	392	359	355	358	372	355	366	244	204	201	200	207	289	313	325	357	926	1043	1128
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
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
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	28	28	27	27	29	28	28	29	28	29	29	28	28	27	27	28	26	27	27	26	26	26	24	24
PCUF	CUFK	27	27	25	26	27	27	25	26	26	27	27	25	27	26	27	24	26	26	26	27	25	26	27	25
Total Co-Gen		55	55	52	53	56	55	53	55	54	56	56	53	55	54	52	54	53	51	53	52	52	53	50	49
Total Gen		15294	14886	14665	14318	14059	13800	13558	13316	13225	13259	13270	13311	13485	13588	13351	13379	14070	15062	15753	16168	16734	16998	17295	17364
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

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																								
TIE-HVDC		29	29	29	29	29	30	30	29	29	31	31	30	30	30	30	31	31	31	31	30	30	29	29	31	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-29	-29	-29					
TIE-PLTG		60	4	47	56	19	-1	7	8	6	-4	-8	4	-9	37	26	38	-27	-42	54	-16	11	61	68	19	64	91	72	-22	-15	15	54	51	87	53	24	20	6	33	42	20	27	0	-25	-13	10	26	19	18
Interconnection		90	33	77	85	48	29	37	36	35	27	22	34	21	67	57	68	3	-12	85	14	42	91	98	48	93	122	103	8	15	44	83	83	118	53	24	20	6	33	42	20	27	0	-25	-13	10	-3	-10	-11
System Total		15204	14853	14588	14233	14011	13771	13521	13280	13190	13232	13248	13277	13464	13521	13294	13311	14067	15074	15668	16154	16692	16907	17197	17316	17178	17023	17099	17456	17798	18098	18000	17877	17900	17657	17099	16702	16294	16256	16239	16442	16781	16992	16995	16891	16689	16496	16197	15847
SRev ST-Coal		257	413	459	460	448	608	637	654	656	644	643	655	657	652	651	691	584	319	273	278	270	281	267	278	281	280	297	212	240	343	312	242	177	184	184	115	189	212	168	187	205	203	168	186	176	169	184	176
SRev CCGT-Gas		1121	1066	1202	1565	1810	1750	1891	2112	2208	2201	2176	2126	1836	1694	1931	2069	1901	1387	886	586	135	677	605	638	696	897	850	969	682	415	553	663	866	1055	1415	1613	2076	2001	2028	1816	1463	1280	1281	1289	1479	1688	1881	2105
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	
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	
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	
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	
Syncon		489	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	126	126	126	126	126	126	126	126	0	0	0	126	126	126	126	126	126	126	126	126	126	126	126	313	313		
Hydro		454	314	345	332	362	346	379	383	380	366	383	372	319	359	362	363	356	324	364	352	370	478	411	326	326	399	374	291	249	298	315	356	287	234	317	307	243	288	289	301	289	292	219	286	286	290	200	238
S.Reserve Total		2321	2469	2682	3033	3296	3380	3583	3825	3920	3887	3878	3829	3488	3381	3620	3799	3517	2706	2199	1892	1451	1562	1409	1368	1429	1702	1647	1598	1297	1056	1180	1261	1456	1599	2042	2161	2634	2627	2611	2430	2083	1901	1794	1887	2067	2273	2578	2832