

Daily System Generation Summary on Monday

Monday, May 30, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,273 MW
Distillate	0 MW
Total TNB	2,273 MW
Total IPP	18,887 MW
Total Co-Gen	0 MW
Total System	24,473 MW

Generation Mix

Type	MWh	Percentage
Hydro	12,039	3.11 %
Gas	41,228	10.66 %
Total TNB	53,267	13.77 %
ST-Coal	223,144	57.69 %
LSS	3,881	1.00 %
Gas	106,060	27.42 %
Total IPP	333,085	86.11 %
Co-Gen	1,210	0.31 %
Total Co-Gen	1,210	0.31 %
Total Generation	387,562	100.20 %
PLTG	245	0.06 %
HVDC	521	0.13 %
Interconnection	766	0.20 %
Net Energy	386,796	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	19,637 MW
TNB Generation	3,114 MW
IPP Generation	15,430 MW
Spinning Reserve	1,045 MW
Maximum Demand	18,500 MW
Net Energy	386,796 MWH
Load Factor	87.12 %

Fuel Cost

Total Cost:	104,429,023.56 RM
Cost per Unit	26.94 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	611
Hydro	507
Syncon	280
Thermal	156
Total	1,554

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	176
Total TNB	205
CBPS	48
EMPP	282
NPRI	144
PCGP	79
PGLA	66
PLPS	64
SKSP	21
SPGP	81
Total IPP	784
Total Gas	989
Total Gas Required	989

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	15343	14602	14251	13647	13188	12990	13300	13343	13874	15808	16751	17476	17287	17228	17911	18337	18500	18092	17009	16957	17989	17993	17510	16973

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, June 3, 2022 5:16:22 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	U001	695	696	696	693	695	695	695	694	696	696	696	698	697	696	695	696	695	696	698	697	695	695	696	694	696	695	694	696	695	694	696	694	693																	
JMAH	U002	698	697	696	695	695	694	694	695	695	695	696	696	695	696	695	696	696	690	693	695	695	694	696	695	693	696	690	697	699	699	695	694	695	694																
JMHE	U001	979	978	909	900	906	903	897	850	850	847	849	849	851	849	850	852	849	902	970	973	971	978	978	978	977	976	976	979	975	975	977	979	981	973	972	973	970	974	974	975	976	974	976	976	973	981	974	971		
JMJG	U003	675	671	668	678	668	671	667	666	666	682	663	677	670	673	668	670	667	676	672	674	672	672	672	672	672	674	676	666	670	665	666	669	665	671	665	675	668	666	666	666	666	674	673	671	673	667	668	672	672	
JMJG	U004	977	975	959	904	905	903	902	887	856	856	856	856	848	845	846	857	855	873	928	973	975	975	975	975	975	976	979	978	977	977	973	974	977	975	976	976	977	980	977	975	977	977	979	977	973	974	975	974		
JMJG	U005	974	974	933	900	899	900	899	860	849	854	844	847	850	847	849	849	851	890	977	976	974	974	974	974	974	977	977	972	975	976	978	976	977	973	975	975	972	976	975	975	972	975	973	976	976	972	974	974		
PKLG	U003	279	281	281	277	279	282	276	281	277	279	250	151	149	184	268	280	279	280	279	276	280	277	276	279	279	274	275	278	275	257	255	255	253	255	256	255	254	274	279	281	280	277	279	276	280	278	279	279		
PKLG	U004	273	278	275	273	274	275	269	271	274	270	239	170	151	188	249	271	274	275	274	272	272	273	277	271	269	273	266	270	267	254	258	253	252	249	256	254	268	274	281	275	274	273	277	277	270	277	272			
PKLG	U005	466	467	466	462	466	468	470	466	468	466	423	332	268	271	356	408	468	466	466	467	467	467	466	466	467	470	467	464	464	466	468	468	464	464	470	466	466	468	465	465	469	465	468	470	469	467	466			
PKLG	U006	450	449	449	446	449	448	446	448	448	449	448	450	446	449	448	446	449	446	449	451	447	446	449	446	446	449	448	449	447	449	449	446	445	448	449	446	448	450	449	447	446	450	450	446	448	450	448	449		
TBIN	U001	689	688	691	686	692	685	687	689	689	690	690	691	689	688	689	687	689	689	685	690	690	690	689	690	687	688	690	687	687	687	689	687	689	686	689	688	687	687	686	687	687	691	689	689	686	689	689	687		
TBIN	U002	693	693	690	692	693	694	694	693	691	692	693	693	694	692	694	686	694	694	691	691	697	691	692	691	692	690	695	691	691	692	690	688	692	691	691	691	691	691	694	692	690	690	690	692	691	689	690	691	692	
TBIN	U003	691	692	691	691	690	691	694	689	692	691	691	691	692	691	688	689	690	692	692	691	691	691	690	690	690	690	690	690	690	691	692	691	689	691	692	690	689	690	692	693	691	693	689	691	689	690	691	693	690	691
TBIN	U004	938	937	905	902	903	902	903	878	852	855	853	853	852	852	852	854	853	877	938	937	938	940	939	938	936	936	937	938	938	940	940	938	939	941	941	941	939	941	940	940	941	940	941	941	941	938	940	940	940	940
Total ST-Coal		9477	9476	9309	9199	9214	9211	9193	9067	9003	9022	8891	8654	8553	8620	8848	8940	9011	9149	9415	9462	9466	9462	9468	9467	9451	9461	9469	9456	9446	9416	9422	9412	9418	9413	9409	9425	9413	9457	9459	9467	9457	9473	9472	9471	9463	9469	9465	9454		
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	217	225	220	221	223	224	222	224	217	203	201	220	228	229	222	225	220	224	221	337	356	359	357	355	355	303	300	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	360	
EMPP	BLK1	677	670	602	654	585	525	374	376	362	342	345	375	373	458	375	375	524	708	670	699	705	704	711	697	700	703	709	712	709	709	710	709	711	712	702	705	704	655	707	711	710	709	710	710	706	710	711	688		
EMPP	BLK2	677	670	600	649	583	524	374	376	362	342	345	375	373	458	376	375	525	705	671	696	705	704	711	697	700	704	709	712	709	710	708	710	712	710	708	711	712	702	703	704	657	706	711	710	705	711	707	710	711	686
EMPP	BLK3	678	646	572	617	551	487	494	435	398	376	380	541	708	717	589	487	500	702	708	697	704	704	710	697	700	703	710	712	710	708	711	712	702	703	704	657	706	711	710	710	705	711	707	710	711	686				
GLGR	GT02	93	93	93	93	94	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93			
GLGR	ST1C	40	39	39	40	40	39	40	40	40	41	41	40	40	39	39	40	40	40	41	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40			
NPRI	BLK1	511	517	515	400	399	310	313	308	296	280	285	311	311	317	308	313	311	310	398	512	511	511	515	502	506	509	516	517	516	517	517	518	518	521	506	511	510	509	516	518	516	515	516	518	512	518	517	517		
NPRI	BLK2	514	520	518	399	400	321	321	319	306	289	293	320	320	327	316	322	321	320	401	515	514	517	524	493	498	489	525	527	526	526	524	528	526	529	507	502	518	404	451	523	521	518	520	520	514	511	521	520		
PCGP	PGRG	401	401	402	401	401	402	407	403	402	402	403	404	406	417	409	412	406	405	593	544	589	588	603	572	583	587	602	605	600	600	597	602	600	611	581	590	587	585	600	605	598	600	599	603	593	601	600	444		
PGLA	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	116	128	186	184	167	167	170	171	171	188	213	213	213	214	209	211	184	167	171	172	216	216	214	216	216	172	172	173	174		
PGLA	GT12	0	0	0	0	0	7	12	14	19	42	68	79	78	92	92	102	102	106	192	197	177	179	190	187	170	174	174	174	217	215	217	213	213	214	188	171	174	174	218	219	219	220	175	176	176	176	176			
PGLA	ST10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65	91	102	86	179	218	231	204	204	204	206	205	207	217	242	241	242	242	239	239	218	205	207	207	242	239	240	239	206	205	208	208	
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	66	114	115	115	114	114	114	113	112	114	113	115	116	115	115	115	115	115	115	115	66	0		
PLPS	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	124	125	125	125	125	125	124	124	125	125																																								

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	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	-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	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
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	0	0	0	0
KNRG	HY03	36	36	37	36	36	36	36	36	36	36	36	36	36	36	36	36	36	37	37	37	37	36	36	36
LPJA	HY01	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
LPJA	HY02	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
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	HY03	21	21	21	21	21	21	21	17	18	21	22	22	21	21	21	21	21	21	21	21	21	21	21	21
PGAU	HY04	20	21	21	21	21	21	21	16	18	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
SIHY	HY02	30	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	30	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	17	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	17	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	17	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	34	34	34	34	34	44	82	42	40	35	36	43	84	86	47	44	42	60	43	68	42	42	86	41
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	85	85	85	85	85	85	43	43
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	-1	97	97	183	182	182	174	-1
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	94	96	87	30	-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		369	259	260	259	259	269	307	267	265	251	255	268	311	313	272	270	270	286	269	303	278	278	324	499
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	23	23	23	26	26	26	27	27	26	26	26	25	26	26	25	24	24	23	22	22	23	22	23	23
PCUF	CUFK	27	23	26	27	26	25	25	25	25	27	26	27	26	27	26	25	26	27	28	29	25	27	26	25

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																								
Total Co-Gen		50	46	49	53	52	51	52	52	51	54	52	53	52	49	51	48	50	50	48	49	49	47	49	49	51	52	49	50	51	49	48	48	50	51	49	51	50	53	49	49	51	50	51	54	52	52		
Total Gen		15345	14961	14579	14382	14209	13864	13599	13368	13221	13139	13053	13131	13247	13535	13395	13424	13914	15087	15825	16422	16748	17134	17438	17511	17316	17101	17242	17579	17943	18314	18380	18410	18592	18560	18233	17614	17123	16715	16971	17684	18085	18054	18034	17827	17615	17360	17043	16681
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			
TIE-HVDC		-29	-29	-29	-29	-29	0	0	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30		
TIE-PLTG		31	-30	6	2	-13	-18	-48	-13	2	79	33	-63	-84	-29	22	-14	10	4	-13	-6	-34	18	-68	31	-1	-58	-17	15	2	-57	13	-15	62	67	111	84	84	28	-17	12	65	53	11	70	75	-3	40	63
Interconnection		2	-59	-23	-27	-42	-47	-48	-13	33	110	63	-33	-53	1	52	16	40	34	17	24	-3	48	-38	61	29	-28	14	46	32	-27	43	15	92	98	141	114	114	59	14	43	96	83	41	101	105	28	70	94
System Total		15343	15020	14602	14409	14251	13911	13647	13381	13188	13029	12990	13164	13300	13534	13343	13408	13874	15053	15808	16398	16751	17086	17476	17450	17287	17129	17228	17533	17911	18341	18337	18395	18500	18462	18092	17500	17009	16656	16957	17641	17989	17971	17993	17726	17510	17332	16973	16587
SRev ST-Coal		146	147	314	419	404	407	424	446	470	449	546	530	541	548	535	515	458	423	208	161	157	161	155	156	172	162	154	167	177	147	131	141	135	140	144	128	140	164	164	156	166	150	151	152	160	154	158	169
SRev CCGT-Gas		1221	1490	1709	1799	1986	2568	2854	2919	2999	3089	3046	2745	2570	2351	2679	2762	2525	1716	1316	1080	839	554	367	465	820	1167	1118	931	653	545	476	423	413	397	578	823	1050	1464	1224	795	518	526	538	471	638	813	1135	1284
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 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 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 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		676	676	676	676	676	676	676	676	676	676	676	676	676	550	550	550	550	550	550	550	550	550	550	275	275	275	275	275	462	187	187	187	0	0	0	187	374	374	500	313	126	126	126	313	313	500	500	500
Hydro		483	418	417	418	418	408	370	410	412	426	422	409	366	364	405	408	408	392	409	375	400	400	354	565	461	460	575	473	365	607	567	505	497	481	543	689	511	505	466	512	629	668	677	546	584	486	475	460
S.Reserve Total		2526	2731	3116	3312	3484	4059	4324	4451	4557	4640	4690	4360	4153	3939	4295	4235	3941	3081	2483	2166	1946	1665	1426	1461	1728	2064	2122	1846	1657	1486	1361	1256	1045	1018	1265	1827	2075	2507	2354	1776	1439	1470	1492	1482	1695	1953	2268	2413