

Daily System Generation Summary on Friday

Friday, May 27, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,342 MW
Distillate	0 MW
Total TNB	2,342 MW
Total IPP	18,743 MW
Total Co-Gen	0 MW
Total System	25,244 MW

Generation Mix

Type	MWh	Percentage
Hydro	9,539	2.48 %
Gas	51,578	13.43 %
Total TNB	61,117	15.92 %
ST-Coal	224,582	58.49 %
LSS	4,151	1.08 %
Gas	91,965	23.95 %
Total IPP	320,698	83.52 %
Co-Gen	1,138	0.30 %
Total Co-Gen	1,138	0.30 %
Total Generation	382,953	99.73 %
PLTG	-331	-0.09 %
HVDC	-694	-0.18 %
Interconnection	-1,025	-0.27 %
Net Energy	383,978	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	19,691 MW
TNB Generation	3,199 MW
IPP Generation	14,881 MW
Spinning Reserve	1,564 MW
Maximum Demand	18,117 MW
Net Energy	383,978 MWH
Load Factor	88.31 %

Fuel Cost

Total Cost:	100,225,367.65 RM
Cost per Unit	26.17 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,099
Hydro	554
Syncon	426
Thermal	196
Total	2,275

Time Weather Temperature

Afternoon	Hot	34
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
GLGR	30
TJGS	150
Total TNB	180
CBPS	44
EMPP	234
NPRI	159
PCGP	70
PLPS	74
SKSP	26
SPGP	170
Total IPP	778
Total Gas	958
Total Gas Required	958

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	15958	15175	14593	14183	13760	13459	13654	13530	13974	15534	16543	17030	16975	16770	17189	17892	18016	17718	16656	16530	17554	17435	16817	16591

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, June 3, 2022 6:10:40 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Friday

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	558	556	555	556	504	452	460	403	411	411	410	405	406	406	406	354	354	427	476	591	697	696	695	697	695	694	695	696	696	693	695	697	697	696	696	696	695	697	695	696	698	696	695	695	694					
JMAH	U002	555	559	557	555	513	454	455	407	406	407	404	404	404	405	353	354	409	469	590	690	697	695	694	692	696	696	694	695	697	695	694	694	696	698	696	693	698	697	695	697	697	698	698	693	697	695	695	694		
JMHE	U001	980	980	962	949	948	949	900	899	850	850	848	849	850	853	853	850	847	955	979	983	977	977	980	982	979	978	978	979	983	980	981	981	980	976	983	980	980	982	980	978	978	983	979	975	983	977	981	982		
JMHE	U002	981	981	963	951	950	949	901	902	848	851	851	850	850	849	852	850	849	942	978	980	981	977	981	982	980	978	979	980	981	981	977	978	975	982	980	979	977	980	982	982	978	979	980	974	977	978	978	980		
JMJG	U003	666	671	658	663	681	656	663	666	682	666	668	668	672	678	666	668	673	664	667	669	671	673	660	671	666	663	670	670	667	668	667	661	673	672	671	667	665	667	672	669	668	663	666	669	671	682	666	676		
JMJG	U004	974	977	977	947	949	948	918	899	900	902	904	902	901	902	901	900	902	934	982	981	977	978	977	978	977	978	980	981	981	983	981	982	978	979	980	977	979	977	978	976	977	981	979	980	983	979	979	978		
JMJG	U005	974	973	964	952	948	950	896	900	900	897	898	896	897	900	906	901	899	979	979	977	973	971	967	970	962	972	976	971	973	970	970	972	974	973	973	971	972	972	972	972	971	969	972	972	973	976	972	974		
PKLG	U003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PKLG	U004	274	268	273	271	274	267	270	273	272	276	273	272	274	273	272	272	276	271	272	273	269	273	273	271	266	269	273	276	277	275	268	275	275	273	272	273	269	274	273	272	272	275	281	272	275	272	271	275		
PKLG	U005	467	467	464	467	468	469	466	461	468	473	467	464	465	466	468	470	465	468	468	466	469	464	465	470	468	467	467	468	468	466	467	470	467	466	468	467	465	469	468	468	466	465	466	468	468	468	468			
TBIN	U001	638	638	640	600	599	550	550	549	549	549	501	500	501	550	549	551	655	682	691	687	688	687	689	689	685	689	687	685	688	687	687	687	689	688	686	684	688	687	687	688	687	687	688	687	690	683	689	687		
TBIN	U002	639	641	642	599	601	549	550	551	550	551	506	499	500	555	550	553	656	686	693	691	693	694	691	693	693	692	694	694	694	692	693	693	692	694	695	693	693	695	691	692	695	692	691	694	694	695	693	692		
TBIN	U003	644	635	642	605	604	576	553	555	555	554	504	505	503	553	553	553	660	668	695	692	698	695	697	693	694	694	694	695	693	693	693	696	694	694	692	692	694	690	695	689	692	693	695	695	687	704	689	689		
TBIN	U004	942	944	943	939	939	939	902	905	851	853	852	854	854	851	853	854	854	924	943	940	939	939	942	939	942	940	940	943	939	941	941	938	941	940	940	943	939	941	939	939	940	940	940	941	939	938	936	939		
Total ST-Coal		9292	9290	9240	9054	8978	8708	8484	8370	8242	8240	8086	8068	8077	8241	8130	8130	8572	9118	9528	9728	9725	9723	9712	9720	9704	9712	9728	9732	9737	9728	9741	9753	9788	9807	9791	9841	9956	9991	9954	9922	9910	9971	9981	9970	9992	10005	9993	10009		
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	353	354	348	367	314	226	220	220	222	220	223	220	225	223	216	222	220	225	231	365	364	361	362	360	358	359	231	220	222	346	363	359	359	357	356	212	219	220	219	227	219	218	218	211	223	218	223	223		
EMPP	BLK1	700	700	696	716	692	711	711	712	710	710	709	710	709	712	700	710	705	712	716	708	710	710	709	710	705	708	633	687	711	717	709	714	721	710	709	600	648	488	559	609	661	685	683	595	494	412	528	529		
EMPP	BLK2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	57	2	0	0	0	0	0	40	195	193	193	215	374	373	375	387	386	436	434	684	749	751	755	757	758	765	765	764	530	525			
EMPP	BLK3	700	699	695	716	693	710	711	711	710	709	711	709	712	700	710	705	713	716	708	711	710	709	710	705	707	636	688	710	715	709	714	722	710	708	602	649	463	536	585	662	685	683	591	464	411	482	476			
GLGR	GT02	92	92	93	92	92	92	92	92	92	92	92	92	92	92	92	92	92	107	107	107	107	107	106	107	106	93	92	92	91	92	92	107	106	106	92	92	92	108	108	108	108	108	93	92	92	93				
GLGR	ST1C	40	39	40	40	39	39	40	40	39	40	39	41	40	39	40	40	39	40	46	47	47	47	47	46	47	46	41	40	40	40	41	45	47	47	42	40	40	39	46	47	47	48	41	40	40	40				
NPRI	BLK1	505	502	502	521	500	516	517	515	514	515	516	515	515	512	505	514	509	522	523	515	514	517	516	515	511	511	515	517	519	518	517	516	515	517	511	505	506	515	517	517	511	517	514	499	516	515	516	517		
NPRI	BLK2	509	506	504	524	505	519	518	491	484	472	502	505	505	462	430	459	458	535	535	528	529	530	529	530	520	522	517	529	526	525	524	524	525	527	509	503	328	336	338	524	520	524	521	506	524	522	524	525		
PCGP	PGRG	580	389	387	413	386	404	402	401	402	400	402	403	404	399	399	402	401	413	420	504	500	507	502	498	488	391	395	402	409	515	601	612	618	601	588	576	386	402	403	604	398	400	402	403	404	404	403	407		
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	74	136	136	134	136	134	135	136	135	136	141	139	137	132	130	113	115	116	142	142	115	115	111	115	116	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	59	145	142	143	143	140	143	139	143	144	143	144	143	139	139	115	61	0	0	0	0	0	0	0	0	
PLPS	GT13	141	140	140	141	139	141	140	141	141	141	141	140	140	140	145	144	144	144	137	140	138	137	140	140	140	140	140	140	140	140	140	143	141	141	140	140	141	108	113	112	142	141	141	113	107	112	112	112	123	
PLPS	ST18	58	58	59	58	58	58	58	58	58	58	59	58	58	58	58	58	58	58	59	56	143	142	210	210	208	207	207	208	208	208	208	208	208	208	209	208	208	193	187	130	143	142	131	131	128	132	132	131	57	
SKSP	BLK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	51	83	125	347	276	296	338	333	333	335	335	335	218	219	216	339	338	339	3						

Daily MW Generation on Friday

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	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	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3
KNRG	HY01	32	32	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY02	37	37	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY03	35	35	35	37	37	37	37	37	37	37	37	21	22	22	23	24	23	23	23	23	22	21	22	22
LPIA	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
LPIA	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	21	21	21	21	22	22	22	22	21	21	21	21	22	22	21	21	21
PGAU	HY04	21	20	20	21	21	20	21	21	21	21	21	21	21	21	21	21	21	21	21	21	20	21	21	20
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	30	30
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	30	30
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	17	0	0	0
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	17	0	0	0
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	17	0	0	0
TMGR	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
TMGR	HY02	86	85	85	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	85	85	85	85	85	33	33	0	0
TMGR	HY03	38	37	37	84	38	68	65	41	41	41	41	43	42	41	39	41	41	84	83	73	56	84	40	41
TMGR	HY04	82	81	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UJLI	HY01	85	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	94	92	91	-1	-1	-1	-1	-1
UJLI	HY02	86	84	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	93	95	99	95	88	84	-1
UPIA	HY01	7	8	8	7	7	8	8	8	8	8	8	8	8	7	7	8	8	8	7	7	6	5	4	4
UPIA	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	4	4	4	4
Total Hydro		769	615	447	322	275	304	302	278	278	279	279	281	280	278	249	253	253	297	296	382	365	490	443	443
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	24	25	24	25	26	26	26	24	24	24	25	25	25	24	25	24	23	22	23	21	21	22	21	21
PCUF	CUFK	27	27	25	26	28	26	25	26	26	26	27	26	5	3	6	9	26	26	25	25	27	26	26	26
Total Co-Gen		51	52	49	51	54	52	51	50	50	50	52	51	30	27	31	34	51	51	49	50	51	48	48	49

Daily MW Generation on Friday

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 Gen		15953	15527	15133	14880	14563	14339	14106	13835	13695	13502	13388	13455	13539	13748	13466	13444	13956	14984	15442	16057	16471	16722	16947	17012	16868	16777	16730	16867	17167	17535	17939	17986	18001	18127	17743	17223	16605	16269	16491	17376	17534	17497	17386	17062	16818	16685	16546	16377	
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	0
TIE-HVDC		-29	-29	-28	-28	-29	-31	-28	-28	-29	-30	-28	-29	-31	-28	-28	-28	-28	-28	-28	-28	-29	-31	-28	-28	-28	-28	-28	-31	-28	-31	-28	-28	-29	-28	-29	-29	-30	-28	-28	-29	-31	-30	-30	-28	-28	-28	-28		
TIE-PLTG		24	4	-14	-41	-1	-52	-49	-30	-36	-31	-41	-16	-85	62	-34	-5	10	-4	-64	-58	-43	-53	-55	-61	-79	-16	-12	0	6	-11	75	-6	14	40	53	0	-22	-24	-10	0	10	-7	-21	15	32	2	-15	-14	
Interconnection		-5	-25	-42	-70	-30	-83	-77	-58	-65	-60	-71	-44	-115	31	-64	-33	-18	-32	-92	-86	-72	-84	-83	-89	-107	-45	-40	-28	-22	-39	47	-36	-15	10	25	-29	-51	-53	-39	-29	-20	-35	-49	-14	1	-28	-45	-43	
System Total		15958	15552	15175	14950	14593	14422	14183	13893	13760	13562	13459	13499	13654	13717	13530	13477	13974	15016	15534	16143	16543	16806	17030	17101	16975	16822	16770	16895	17189	17574	17892	18022	18016	18117	17718	17252	16656	16322	16530	17405	17554	17532	17435	17076	16817	16713	16591	16420	
SRev ST-Coal		456	462	508	607	590	620	825	834	861	874	873	880	871	867	871	873	787	462	287	168	171	173	184	176	192	184	168	164	159	168	206	206	193	186	190	208	200	189	226	258	270	209	199	210	188	175	187	171	
SRev CCGT-Gas		802	1193	1366	1310	1507	1488	1494	1626	1638	1830	1792	1708	1611	1561	1710	1760	1781	1495	1523	1384	1017	1154	1237	1239	1254	1539	1656	1624	1346	888	789	657	632	472	703	1183	1668	2218	1902	1096	1172	1158	1165	1408	1699	1841	1864	1828	
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	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	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	0
Syncon		0	313	588	588	588	588	676	676	676	676	676	676	676	676	676	676	676	676	588	588	401	401	401	588	588	588	588	588	588	313	313	313	313	401	401	588	588	588	401	214	214	401	401	401	401	550	550		
Hydro		686	528	421	355	401	372	374	398	398	397	397	395	396	398	427	423	423	379	379	381	399	461	508	508	465	467	414	452	450	439	524	503	499	506	503	572	402	413	392	464	614	608	578	590	567	573	470	477	
S.Reserve Total		1944	2496	2883	2947	3173	3155	3369	3534	3573	3777	3738	3659	3554	3502	3684	3732	3667	3012	2865	2521	2175	2189	2330	2324	2499	2778	2913	2915	2630	2170	1919	1766	1724	1564	1884	2451	2945	3495	3195	2306	2357	2276	2430	2696	2942	3077	3071	3026	