

Daily System Generation Summary on Friday

Friday, August 5, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,312 MW
Distillate	0 MW
Total TNB	2,312 MW
Total IPP	19,517 MW
Total Co-Gen	0 MW
Total System	25,470 MW

Generation Mix

Type	MWh	Percentage
Hydro	24,771	6.79 %
Gas	40,142	11.01 %
Total TNB	64,913	17.80 %
ST-Coal	228,012	62.54 %
LSS	5,062	1.39 %
Gas	66,362	18.20 %
Total IPP	299,436	82.13 %
Co-Gen	572	0.16 %
Total Co-Gen	572	0.16 %
Total Generation	364,921	100.09 %
PLTG	-394	-0.11 %
HVDC	722	0.20 %
Interconnection	328	0.09 %
Net Energy	364,593	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	18,593 MW
TNB Generation	3,492 MW
IPP Generation	13,433 MW
Spinning Reserve	1,630 MW
Maximum Demand	16,969 MW
Net Energy	364,593 MWH
Load Factor	89.52 %

Fuel Cost

Total Cost:	125,403,939.35 RM
Cost per Unit	34.36 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,091
Hydro	279
Syncon	405
Thermal	225
Total	2,000

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	76
Total TNB	105
CBPS	52
EMPP	207
NPRI	106
PCGP	63
PGLA	2
SPGP	163
Total IPP	592
Total Gas	697

Total Gas Required 697

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	14874	14178	13781	13273	13014	12834	13060	13139	13556	15096	15868	16381	16344	15930	16286	16903	16969	16752	15792	15785	16638	16455	15861	15622

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, September 6, 2022 3:16:53 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Friday

		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	505	510	504	302	220	213	214	214	217	215	214	214	214	214	214	214	395	505	507	505	510	506	505	504	505	508	504	505	505	505	505	506	506	504	504	504	505	505	507	505	503	505	504	506	508	509	267			
JMAH	U002	704	707	705	704	706	553	356	219	213	215	214	214	215	213	212	214	213	475	668	702	706	702	706	704	708	711	709	702	702	708	707	707	706	708	710	706	702	704	705	704	702	701	706	707	706	706	706	704		
JMHE	U001	983	980	900	901	901	903	901	897	901	873	851	849	846	849	844	849	850	979	981	979	982	982	981	981	977	978	983	980	985	974	974	980	978	979	976	976	980	977	980	981	978	978	978	979	978	978	979			
JMHE	U002	982	980	898	900	898	901	900	898	899	878	849	851	846	848	844	850	851	972	981	978	982	979	980	978	977	978	985	979	984	975	977	980	979	981	979	976	979	981	979	977	977	979	982	977	982	978				
JMJG	U001	673	672	673	669	674	668	678	672	670	674	670	669	670	666	673	673	676	674	670	671	670	673	670	674	671	673	671	673	675	677	671	672	670	672	672	672	672	669	677	673	671	672	675	671	673	675				
JMJG	U002	682	678	688	685	685	681	688	688	682	687	682	681	688	683	690	685	680	684	684	688	688	688	688	688	688	688	683	680	694	678	685	676	685	684	683	677	681	679	688	682	684	685	683	688	679	675	685	682	678	684
JMJG	U004	982	953	904	901	901	903	854	853	854	855	854	854	855	856	854	857	854	903	963	976	979	978	979	975	979	979	980	981	978	979	981	980	976	980	975	976	980	975	978	977	973	977	977	978	977	983	980			
JMJG	U005	975	973	900	903	899	898	895	850	850	851	850	851	850	849	848	847	849	954	977	976	978	978	980	979	976	973	977	977	977	975	977	977	977	976	974	970	968	968	969	972	964	970	971	985	968	966	980			
PKLG	U004	185	160	151	157	154	152	154	149	156	154	155	155	156	154	152	153	153	189	257	278	278	275	274	275	271	275	275	272	273	276	276	275	273	273	271	280	273	275	272	273	272	269	229	162	153	140				
PKLG	U005	269	269	270	268	268	268	268	269	269	267	269	268	268	269	268	268	269	267	297	384	464	466	466	467	460</																									

Daily MW Generation on Friday

[illegible]

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	
PCUF	CUFG	18	19	21	20	20	19	20	20	20	19	19	19	20	19	18	20	20	18	19	19	18	18	15	14	14	15	15	15	16	17	16	15	16	17	16	17	18	21	20	21	20	21	20	19	20	18		
PCUF	CUFK	5	4	4	4	4	4	6	3	3	6	5	5	4	5	4	4	6	5	6	6	5	5	5	4	4	4	4	5	4	2	14	22	22	22	4	4	4	4	4	5	5	4	5	4	4	3	4	4
Total Co-Gen		23	23	25	24	24	23	26	23	23	25	24	24	24	24	22	24	26	23	25	25	23	23	23	19	18	18	19	20	19	17	30	39	38	37	20	21	20	21	22	26	25	25	25	25	24	22	24	22
Total Gen		14854	14391	14091	13802	13740	13469	13290	13037	13013	12871	12877	12900	13121	13301	13217	13260	13553	14531	15134	15457	15980	16159	16357	16473	16370	16176	15921	16119	16278	16684	16932	16978	16963	16953	16794	16247	15863	15621	15825	16437	16679	16703	16447	16281	15869	15746	15609	15316
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		
TIE-HVDC		30	30	28	28	31	31	31	31	31	31	30	30	30	30	31	31	29	30	30	30	30	30	30	29	29	30	30	30	30	31	31	29	29	30	30	30	30	29	29	31	28	31	31	29	31	29	31	
TIE-PLTG		-50	-50	-115	-72	-72	-9	-13	-9	-32	-24	13	-16	31	49	47	32	-33	32	8	-42	83	-46	-53	-39	-3	-20	-40	-13	-39	11	-2	0	-35	-32	12	-19	41	2	11	-71	10	30	-38	-69	-21	-40	-42	-39
Interconnection		-20	-20	-87	-44	-41	22	17	22	-1	7	43	15	61	79	78	63	-3	62	38	-12	112	-16	-24	-9	26	9	-9	17	-8	41	29	31	-6	-2	42	11	71	32	40	-41	41	59	-8	-39	8	-9	-13	-8
System Total		14874	14411	14178	13846	13781	13447	13273	13015	13014	12864	12834	12885	13060	13222	13139	13197	13556	14469	15096	15469	15868	16175	16381	16482	16344	16167	15930	16102	16286	16643	16903	16947	16969	16955	16752	16236	15792	15589	15785	16478	16638	16644	16455	16320	15861	15755	15622	15324
SRev ST-Coal		363	399	704	765	768	852	836	888	898	890	895	901	891	897	890	807	761	568	412	334	273	237	221	192	190	204	156	192	181	196	187	183	186	188	212	207	188	211	200	198	195	208	208	244	239	261	297	350
SRev CCGT-Gas		1416	1381	1167	1108	1130	1151	1137	1142	1147	1213	1152	1146	1151	1158	1242	1428	1326	1329	1296	1230	1083	1114	1114	1053	1170	1378	1803	1560	1399	1078	1038	1039	1037	959	973	1181	1528	1671	1427	998	971	913	1004	1028	1233	1217	1272	1213
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	6	1	3	4	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		672	609	573	760	739	651	739	760	760	760	609	422	485	760	739	760	672	672	672	546	208	359	359	359	525	672	672	672	672	359	21	172	172	172	546	546	546	546	208	151	302	489	676	676	676	676	651	
Hydro		156	270	146	57	116	116	82	59	75	118	112	240	295	169	281	315	222	168	158	229	77	400	254	294	415	444	416	323	300	183	169	442	235	231	335	207	210	169	163	324	448	339	318	136	251	195	235	261
S.Reserve Total		2694	2746	2677	2777	2753	2944	2881	2936	2967	3068	3006	2983	2759	2709	3173	3289	3069	2737	2538	2465	1979	1959	1948	1898	2134	2551	3047	2840	2640	2132	1757	1685	1630	1550	1692	2141	2472	2597	2336	1728	1765	1762	2019	2084	2399	2349	2480	2475