

Daily System Generation Summary on Friday

Friday, September 4, 2020

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,322 MW
Distillate	0 MW
Total TNB	2,322 MW
Total IPP	17,833 MW
Total Co-Gen	0 MW
Total System	22,624 MW

Generation Mix

Type	MWh	Percentage
Hydro	20,429	5.76 %
Gas	27,740	7.82 %
Total TNB	48,169	13.58 %
ST-Coal	249,708	70.40 %
LSS	1,813	0.51 %
Gas	55,464	15.64 %
Total IPP	306,985	86.54 %
Co-Gen	304	0.09 %
Total Co-Gen	304	0.09 %
Total Generation	355,458	100.21 %
PLTG	22	0.01 %
HVDC	724	0.20 %
Interconnection	746	0.21 %
Net Energy	354,712	100.00 %

Maximum Demand Record

Date: 3/10/2020	18,808 MW
Date: 3/10/2020	394,238 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	11:30:00 Hour
Total Set On Bus	17,719 MW
TNB Generation	2,516 MW
IPP Generation	13,935 MW
Spinning Reserve	1,261 MW
Maximum Demand	16,433 MW
Net Energy	354,712 MWH
Load Factor	89.94 %

Fuel Cost

Total Cost:	47,311,414.38 RM
Cost per Unit	13.31 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	596
Hydro	264
Syncon	622
Thermal	205
Total	1,687

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	28
TJGS	130
Total TNB	158
CBPS	44
KLPP	0
NPRI	136
PGLA	94
PLPS	17
YPKA	13
Total IPP	305
Total Gas	463
Total Gas Required	463

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	14834	14176	13648	13252	12932	12754	12822	13011	13173	15008	15751	16246	16211	15813	16144	16378	16299	15933	14972	14944	15585	15358	14839	14456

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, October 5, 2020 2:00:35 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	694	691	693	693	689	689	670	484	460	462	460	461	462	558	551	551	683	693	687	692	694	692	692	694	691	689	693	692	692	692	692	693	691	694	694	691	691	692	692									
JMAH	U002	698	693	693	695	692	694	669	482	462	462	464	463	462	554	553	554	653	696	692	693	694	695	694	695	692	694	695	692	694	694	692	699	692	694	697	694	694	693	693	693	695	692	694	694	694	689	694	
JMHE	U001	983	984	782	778	778	778	779	778	780	777	780	780	781	780	780	780	782	782	972	973	976	978	978	977	983	979	980	981	982	981	979	980	976	978	979	978	981	980	981	979	979	982	980	979	980	929	899	899
JMHE	U002	982	984	779	780	778	779	779	777	780	780	778	781	779	780	780	779	777	781	983	978	983	983	979	978	984	981	980	980	981	982	983	976	979	978	981	980	980	982	979	981	982	978	979	980	941	897	898	
JMJG	U001	676	672	673	671	671	668	671	677	670	671	668	669	673	679	670	671	675	667	671	670	676	672	672	671	671	669	677	673	672	673	672	673	672	673	665	677	673	672	671	672	675	668	673	669	670	672		
JMJG	U002	674	672	667	675	671	674	673	675	672	671	672	671	676	671	672	667	667	670	671	673	676	671	671	671	670	672	672	675	670	677	671	673	672	672	671	678	677	672	669	672	675	678	671	666	672	672	676	675
JMJG	U003	666	667	666	667	668	662	663	665	670	666	665	666	666	665	666	664	670	666	668	666	664	667	666	666	663	666	667	664	664	663	661	667	664	673	664	668	667	663	664	671	664	666	664	667	667	664	667	666
JMJG	U004	970	973	970	940	914	884	855	827	798	788	788	787	789	787	788	788	788	786	851	938	975	978	978	978	979	979	978	978	978	976	976	981	981	979	980	978	974	977	980	977	981	983	982	982	982	977	945	920
PKLG	U003	276	278	278	277	277	277	278	275	275	268	206	206	281	264	277	260	255	278	276	277	279	278	278	277	279	277	277	277	276	278	276	275	277	276	260	204	205	205	206	205	206	204	206	205	205	206	207	
PKLG	U004	267	278	277	276	277	277	272	276	275	267	202	200	255	277	280	276	278	277	280	278	277	278	277	277	279	277	275	277	278	279	281	278	275	279	266	203	202	204	205	205								

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	4	4	3	4	3	4	3	2	2	4	3	4	4	4	2	3	4	3	3	2	3	3	3	4	4	3	2	4	4	3	38	40	39	39	38	2	3	3	5	3	4	4	3	3	4	2	4	4
PCUF	CUFK	4	3	4	4	3	5	3	1	3	3	3	2	4	3	3	1	3	3	3	2	3	0	2	3	4	4	1	3	2	3	29	30	32	31	29	1	2	3	5	3	3	3	4	4	3	0	2	3
Total Co-Gen		8	7	7	8	6	9	6	3	5	7	6	6	8	7	5	4	7	6	6	4	6	3	5	7	8	7	3	7	6	6	67	70	71	70	67	3	5	6	10	6	7	7	7	7	7	2	6	7
Total Gen		14858	14761	14199	13950	13670	13509	13275	13155	12956	12902	12777	12821	12847	13017	13035	12916	13197	14263	15032	15438	15775	16136	16269	16458	16236	15994	15836	15949	16169	16304	16402	16410	16321	16301	15956	15455	14995	14820	14968	15507	15610	15548	15383	15194	14862	14599	14481	14181
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	30	30	29	30	30	30	30	30	31	31	30	30	30	30	30	30	30	30	30	30	29	31	31	29	31	31	31	31	29	32	29	32	29	29	29	30	31	31	31	31	29	31	31	31		
TIE-PLTG		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Interconnection		31	31	31	31	30	30	31	31	31	31	30	30	32	32	31	31	31	31	31	31	31	31	30	32	32	32	30	32	32	32	32	30	30	33	30	30	30	30	31	32	32	32	32	30	32	32	32	
System Total		14834	14738	14176	13927	13648	13487	13252	13131	12932	12878	12754	12798	12822	12992	13011	12892	13173	14239	15008	15414	15751	16112	16246	16433	16211	15969	15813	15924	16144	16279	16378	16388	16299	16276	15933	15432	14972	14797	14944	15482	15585	15523	15358	15169	14839	14575	14456	14157
SRev ST-Coal		192	245	449	477	511	523	557	640	635	664	718	724	693	654	609	626	557	478	359	289	195	198	205	203	177	196	200	192	203	198	198	190	200	200	264	140	174	168	160	153	164	149	159	190	160	269	430	448
SRev CCGT-Gas		1540	1274	1428	1439	1611	1670	1726	1468	1662	1641	1497	1357	1413	1394	1475	1537	1652	835	610	438	375																											