

Daily System Generation Summary on Friday

Friday, October 9, 2020

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,179 MW
Distillate	0 MW
Total TNB	2,179 MW
Total IPP	15,689 MW
Total Co-Gen	0 MW
Total System	20,337 MW

Generation Mix

Type	MWh	Percentage
Hydro	22,131	6.18 %
Gas	27,843	7.77 %
Total TNB	49,974	13.95 %
ST-Coal	226,111	63.13 %
LSS	2,169	0.61 %
Gas	80,662	22.52 %
Total IPP	308,942	86.25 %
Co-Gen	165	0.05 %
Total Co-Gen	165	0.05 %
Total Generation	359,081	100.25 %
PLTG	166	0.05 %
HVDC	723	0.20 %
Interconnection	889	0.25 %
Net Energy	358,192	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:	16:00:00 Hour
Total Set On Bus	17,755 MW
TNB Generation	2,901 MW
IPP Generation	13,810 MW
Spinning Reserve	1,038 MW
Maximum Demand	16,745 MW
Net Energy	358,192 MWH
Load Factor	89.13 %

Fuel Cost

Total Cost:	44,435,637.80 RM
Cost per Unit	12.37 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	366
Hydro	476
Syncon	423
Thermal	168
Total	1,433

Time Weather Temperature

Gas Usage

Station	(mmscfd)
GLGR	51
PGPS	1
SRDG	2
TJGS	148
Total TNB	202
CBPS	28
KLPP	38
NPRI	152
PGLA	98
PLPS	86
SGB3	49
YPKA	26
Total IPP	476
Total Gas	679
Total Gas Required	679

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	14498	13845	13402	12995	12663	12646	12818	12941	13282	14839	15502	16052	16070	15661	16007	16620	16745	16390	15499	15890	16436	16205	15657	15299

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, November 5, 2020 8:29:41 AM

(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	693	693	692	692	692	692	604	601	551	502	502	502	505	502	502	501	621	693	693	693	693	693	691	692	692	692	688	688	692	693	693	695	691	694	691	695	693	692	693	694	692	694						
JMAH	U002	694	694	696	688	694	695	601	601	551	502	504	502	503	503	503	504	636	693	695	695	695	695	695	693	692	694	694	694	696	692	694	694	692	696	692	695	694	696	695	692	673	697						
JMHE	U001	298	301	283	403	496	501	499	500	650	698	740	743	741	742	741	744	742	737	742	740	742	741	742	781	921	982	980	982	984	979	981	982	980	986	977	980	986	977	980	979	981	971	982					
JMHE	U002	908	901	894	849	797	801	801	798	797	800	800	801	800	800	802	800	802	918	983	979	980	981	980	986	983	978	981	982	980	977	978	979	983	986	981	972	979	978	981	984	977	978	980	979	974	981		
JMJG	U001	672	672	671	672	673	675	618	596	597	544	545	550	546	546	546	606	671	671	672	671	672	671	682	671	672	671	672	671	672	673	674	671	671	671	671	671	671	677	672	672	671	670	671					
JMJG	U002	671	671	672	672	677	677	615	598	598	546	549	548	551	549	550	602	677	673	667	677	678	669	677	675	670	673	671	677	667	674	671	674	671	672	672	673	666	671	676	673	674	677	669	672	673	673	672	
JMJG	U004	959	874	794	770	758	761	760	761	760	761	756	762	760	757	759	759	758	761	804	890	975	979	978	981	978	980	980	979	979	977	979	976	983	983	980	979	981	979	977	978	981	977	977	978	982	978	982	981
PKLG	U004	280	281	279	279	276	277	278	276	279	279	276	279	280	277	278	285	278	275	276	273	281	277	276	278	272	277	276	295	279	281	277	278	279	277	277	278	277	279	278	276	270	280	275	279	278	294	281	
PKLG	U005	467	463	470	462	467	468	465	467	468	466	466	467	466	466	466	468	466	468	468	431	466	467	466	466	465	468	468	469	453	464	468	469	466	466	466	468	467	466	468	469	466	468	466	466	468	466	468	
PKLG	U006	445	446	446	446	445	446	446	446	446	445	446	450	446	451	448	449	446	448	447	450	449	450	448	448	449	447	444	448	449	448	450	450	450	451	450	451	449	449	446	446	448	446	447	447	447	447		
TBIN	U001	690	690	689	690																																												

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	
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	
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	
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	
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	
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	13	46	97	138	160	172	217	240	274	319	311	322	323
PCUF	CUFG	4	4	2	4	3	4	1	3	2	4	4	3	4	3	3	4	3	4	3	4	3	2	5	4	6
PCUF	CUFK	3	5	3	3	2	3	2	3	3	3	2	5	4	1	3	5	2	3	3	2	4	3	6	4	3
Total Co-Gen		7	9	5	7	5	7	3	6	5	7	6	8	8	5	7	9	7	6	7	5	7	6	10	7	7
Total Gen		14538	14219	13912	13605	13448	13269	13075	12914	12744	12680	12705	12748	12834	13041	12960	12855	13273	14252	14828	15235	15512	15915	16054	16262	16063
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	
TIE-HVDC		29	29	31	29	30	29	30	29	31	31	29	29	31	31	31	32	29	30	30	30	30	30	30	31	
TIE-PLTG		21	-12	47	67	27	27	60	39	62	12	38	31	-4	-12	1	-17	-27	32	-30	27	-9	10	-17	-19	
Interconnection		51	17	78	96	57	56	91	67	91	40	69	62	27	17	30	14	2	63	1	58	22	39	13	11	
System Total		14498	14213	13845	13520	13402	13224	12995	12858	12663	12650	12646	12696	12818	13035	12941	12852	13282	14201	14839	15189	15502	15887	16052	16262	16070
SRev ST-Coal		256	375	391	386	383	373	608	605	659	690	651	639	648	616	615	608	611	373	312	233	146	150	164	139	136
SRev CCGT-Gas		1213	1158	1182	1310	1145	1219	1106	1253	1306	1230	1243	1221	1272	1139	1262	1166	1137	1084	716	576	626	412	380	261	585
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	
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	
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	
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	
Syncon		827	827	827	827	914	1015	1015	864	1015	1015	1015	1015	864	914	763	1015	1015	827	827	827	827	676	489	489	
Hydro		78	54	49	55	309	212	212	341	224	217	218	219	223	92	243	255	257	120	119	146	146	399	492	490	
S.Reserve Total		2374	2414	2449	2578	2751	2819	2941	3063	3204	3152	3127	3094	3007	2761	2883	3044	3020	2404	1974	1782	1745	1637	1525	1379	1764