

Daily System Generation Summary on Monday

Monday, October 5, 2020

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,215 MW
Distillate	0 MW
Total TNB	2,215 MW
Total IPP	15,420 MW
Total Co-Gen	0 MW
Total System	20,183 MW

Generation Mix

Type	MWh	Percentage
Hydro	28,554	7.88 %
Gas	36,879	10.18 %
Total TNB	65,433	18.06 %
ST-Coal	193,282	53.35 %
LSS	2,577	0.71 %
Gas	101,227	27.94 %
Total IPP	297,086	82.00 %
Co-Gen	271	0.07 %
Total Co-Gen	271	0.07 %
Total Generation	362,790	100.13 %
PLTG	235	0.06 %
HVDC	254	0.07 %
Interconnection	489	0.13 %
Net Energy	362,301	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:	16:30:00 Hour
Total Set On Bus	18,400 MW
TNB Generation	3,303 MW
IPP Generation	13,928 MW
Spinning Reserve	1,104 MW
Maximum Demand	17,407 MW
Net Energy	362,301 MWH
Load Factor	86.72 %

Fuel Cost

Total Cost:	53,056,306.21 RM
Cost per Unit	14.64 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	419
Hydro	531
Syncon	232
Thermal	139
Total	1,321

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	49
PGPS	3
SRDG	3
TJGS	205
Total TNB	261
CBPS	51
KLPP	76
NPRI	153
PGLA	105
PLPS	91
SGB3	61
SGRI	29
SKSP	35
YPKA	19
Total IPP	619
Total Gas	880

Total Gas Required 880

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	14012	13370	12931	12439	12259	12092	12397	12635	13421	15201	16086	16664	16713	16450	16976	17366	17374	16921	15896	16031	16691	16560	16049	15473

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, November 5, 2020 8:28:13 AM

(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	693	693	695	692	688	693	693	694	691	693	693	693	687	699	692	690	692	693	693	692	693	693	694	691	695	692	694	693	692	695																				
JMAH	U002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	106	202	210	213																				
JMHE	U002	949	878	860	783	774	775	779	777	781	774	781	782	778	777	780	781	783	984	981	979	979	983	982	980	978	981	979	979	980	983	982	982	983	979	972	980														
JMJG	U001	671	677	671	674	674	671	672	669	669	670	671	679	674	634	683	672	669	672	677	672	672	668	660	591	596	596	640	646	645	638	649	669	666	671	673	677	671	672	673	666	668	668	593	623	677	676	672			
JMJG	U002	671	680	676	678	673	671	676	668	674	668	671	671	677	669	668	671	678	669	671	682	664	673	677	668	674	677	680	678	671	677	676	667	673	674	673	673	677	677	666	673	673	669	678	680	671	670	675	673		
JMJG	U004	950	895	879	791	788	788	787	786	787	788	786	789	789	790	788	790	878	961	980	977	975	978	972	977	977	977	977	978	977	979	976	977	978	979	977	978	976	976	977	975	976	977	977	980	977	977	979			
PKLG	U004	279	277	276	278	277	292	280	274	274	277	278	276	278	277	277	275	278	277	276	291	280	278	276	277	277	281	278	279	278	278	271	279	278	277	278	280	279	277	276	272	276	274	279	275	279	276	277	278		
PKLG	U005	468	468	462	465	468	470	464	466	468	466	465	465	466	466	469	466	468	467	465	467	474	466	468	468	468	466	468	466	468	467	466	467	468	466	466	466	466	466	468	467	468	468	466	466	465	466				
PKLG	U006	446	449	448	449	446	447	449	450	448	448	449	449	446	453	450	451	452	452	453	450	446	450	448	452	449	446	446	446	445	448	446	446	449	446	451	451	450	449	454	449	446	446	450	450	448	442	446			
TBIN	U001	690	690	689	691	690	687	689	691	689	689	693	690	688	691	691	687	686	689	690	689	686	690	690	688	688	689	690	689	689	689	683	689	689	690	688	688	691	689	689	689	690	691	690	688	689	690	686	689		
TBIN	U002	692	692	695	694	689	691	696	690	690	694	693	690	693	693	690	694	693	691	692	693	689	691	691	690	693	692	690	693	691	692	692	691	692	692	692	692	692	690	693	693	692	691	691	691	691	692	693	693		
TBIN	U003	686	691	694	687	685	688	687	692	694	685	693	690	691	691	690	689	685	686	685	690	686	691	685	688	690	690	689	690	688	685	693	691	689	690	689	690	689	692	691	690	690	692	689	688	688	690	687	689	690	688
TBIN	U004	952	892	876	787	782	782	783	782	783	783	783	783	782	782	782	782	784	875	962	982	981	983	982	984	983	983	982	982	983	984	983	983	982	982	982	984	983	982	983	983	980	981	984	982	983	982	984	982		
Total ST-Coal		8147	7982	7921	7669	7634	7655	7655	7639	7651	7634	7659	7654	7659	7608	7664	7651	7656	8028	8213	8268	8216	8243	8226	8150	8171	8175	8212	8217	8215	8209	8215	8232	8231	8245	8243	8253	8250	8242	8233	8237	8234	8225	8246	8168	8302	8441	8439	8454		
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	0	
CBPS	BLK2	355	366	358	365	359	355	325	251	221	214	214	225	224	221	218	217	237	361	360	360	359	357	357	358	361	364	364	363	356	361	362	359	358	361	358	362	360	363	363	363	364	362	363	359	362	352	366	351	361	
GLGR	GT01	68	67	69	67	67	67	68	66	68	66	67	67	67	66	67	68	67	85	92	84	101	84	100	91	86	97	91	91	93	85	84	85	86	84	84	66	67	67	67	91	101	101	98	101	100	79	67	67		
GLGR	GT02	67	67	67	67	67	67	67	67	67	67	67	67	67	67	68	67	86	92	84	101	84	100	92	86	96	89	89	92	87	84	84	85	84	85	67	67	68	67	91	99	99	100	100	101	78	67	68			
GLGR	ST1C	74	72	73	72	72	72	72	72	72	72	72	73	72	72	72	72	83	85	85	93	84	90	85	85	86	84	86	88	84	83	83	83	83	82	75	73	72	72	84	91	91	92	91	91	84	73	72			
KLPP	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	39	132	131	133	135	135	135	135	135	135	135	135	135	135	137	137	136	121	112	119	136	136	136	137	137	137	137	119	118				
KLPP	GT14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	60	150	152	152	154	154	156	156	157	156	157	156	157	155	157	156	155	156	158	158	157	136	112	124	157	156	158	157	157	157	157	133	76		
KLPP	GT15	0	0	0	0	0	0	0	0	0	0	39	43	44	74	82	154	155	155	156	155	160	160	160	159	161	161	158	158	160	158	158	158	158	159	135	131	139	160	157	158	158	158	158	161	162	136	136			
KLPP	ST17	0	0	0	0	0	0	0	0	0	0	0	0	16	26	42	70	66	61	130	130	141	194	199	202	200	200	202	202	202	202	201	201	201	201	200	194	185	190	202	201	201	203	203	203	203	194	182			
NPRI	BLK1	512	514	511	515	515	508	512	506	525	502	509	397	517	511	509	515	513	519	514	517	513	511	514	522	515	518	517	516	520	520	517	517	517	516	517	517	514	517	516	517	518	517	516	517	517	501	511			
NPRI	BLK2	512	513	511	515	513	506	460	488	384	317	327	472	481	475	444	489	494	518	512	515	513	510	512	522	516	517	517	518	521	518	515	517	517	516	516	517	515	518	516	517	518	517	517	517	518	517	502	510		
PCGP	PGRG	597	599	597	602	601	589	597	591	603	584	595	597	604	599	594	600	597	607	598	601	599	595	597	612	601	605	602	603	608	608	604	603	605	603	602	604	600	604	604	605	606	603	603	603	602	589	593			
PGLA	GT11	171	195	164	190	204	189	164	164	166	160	163	161	167	185	162	163	168	191	192	197	208	186	206	212	206	209	204	210	211	211	210	210	210	210	210	212	166	195	191	195	199	208	173	180	172	171	187	190		
PGLA	GT12	174	199	167	192	207	192	166	167	169	162	166	166	169	188	166	167	171	194	195	200	210	190	208	215	208	212	207	213	215	214	213	213	214	214	214	214	167	198	194	199	199	202	176	184	176	176	190	194		
PGLA	ST10	212	235	200	218	225	222	200	207	202	200	200	204	202	224	200	200	214	224	210	220	238	222	238	238	235	240	235	239	239	239	237	238	238	238	238	237	205	214	228	235	216	235	211	212	220	203	224	223		
PGPS	GT3A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80	95	95	95	95	95	95	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
PLPS	GT11	113	111	107	112	64	61	66	65	65	61	61	65	66	66	61	65	109	131	133	117	142	116	142	145	140	142	134	143	139	142	138	133	130	138	129	129	117	116	140	134	144	142	136	137	118	13				

Daily MW Generation on Monday

[illegible]

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
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
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	0	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG	4	3	4	4	3	2	3	3	3	2	5	4	3	4	2	5	3	4	4	5	4	4	3	4
PCUF	CUFK	4	2	4	4	4	2	3	3	2	1	4	4	1	2	3	2	3	3	4	3	4	2	1	5
Total Co-Gen		8	5	8	8	7	4	6	6	5	3	9	8	4	5	8	6	8	7	7	8	8	6	57	67
Total Gen		13980	13655	13348	13185	12936	12693	12498	12458	12308	12124	12141	12196	12448	12783	12689	12680	13417	14457	15239	15689	16156	16388	16703	16824
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		-28	-28	-28	30	30	30	30	31	31	30	30	31	31	30	30	30	30	30	-97	-97	-97	-96	-96	-97
TIE-PLTG		3	38	13	22	-18	41	36	51	24	43	25	7	27	47	32	30	-28	-21	16	-52	47	-70	17	-65
Interconnection		-25	10	-15	52	12	70	66	82	55	73	55	38	58	77	61	60	2	9	45	-22	77	-39	47	-35
System Total		14012	13652	13370	13140	12931	12630	12439	12382	12259	12057	12092	12165	12397	12713	12635	12626	13421	14455	15201	15718	16086	16435	16664	16867
SRev ST-Coal		235	356	366	365	382	362	367	379	373	382	366	369	362	413	360	374	372	297	169	114	166	139	156	196
SRev CCGT-Gas		475	493	633	528	665	921	1122	1145	1310	1488	1419	1359	1225	853	1083	1388	945	593	545	576	478	592	366	319
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		525	525	676	827	827	827	827	827	827	827	827	827	827	676	827	827	640	640	0	0	187	0	187	374
Hydro		346	342	300	165	167	172	168	170	166	178	206	204	88	105	157	265	86	75	162	168	591	844	606	656
S.Reserve Total		1581	1716	1975	1885	2041	2282	2484	2521	2676	2875	2818	2759	2502	2198	2427	2703	2230	1792	1516	1498	1235	1575	1315	1171