

Daily System Generation Summary on Tuesday

Tuesday, December 1, 2020

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,517 MW
Distillate	0 MW
Total TNB	2,517 MW
Total IPP	15,683 MW
Total Co-Gen	0 MW
Total System	21,023 MW

Generation Mix

Type	MWh	Percentage
Hydro	23,198	6.52 %
Gas	39,598	11.13 %
Total TNB	62,796	17.65 %
ST-Coal	208,381	58.55 %
LSS	1,910	0.54 %
Gas	84,242	23.67 %
Total IPP	294,533	82.76 %
Co-Gen	170	0.05 %
Total Co-Gen	170	0.05 %
Total Generation	357,499	100.45 %
PLTG	983	0.28 %
HVDC	633	0.18 %
Interconnection	1,616	0.45 %
Net Energy	355,883	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	17,701 MW
TNB Generation	3,369 MW
IPP Generation	13,243 MW
Spinning Reserve	1,082 MW
Maximum Demand	16,603 MW
Net Energy	355,883 MWH
Load Factor	89.31 %

Fuel Cost

Total Cost:	42,596,041.72 RM
Cost per Unit	11.91 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	329
Hydro	458
Syncon	475
Thermal	199
Total	1,461

Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	50
TJGS	210
Total TNB	261
CBPS	54
KLPP	25
NPRI	154
PGLA	91
PLPS	83
SKSP	33
YPKA	47
Total IPP	489
Total Gas	749
Total Gas Required	749

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	14562	13914	13383	12991	12695	12575	12562	12765	13155	14708	15543	15984	15981	15720	16272	16557	16603	16151	15297	15747	16210	15929	15342	14959

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, January 5, 2021 10:15:48 AM Head
Grid System Operator
(Ir. Shanmugam Thoppalan)

Daily MW Generation on Tuesday

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	688	687	695	692	692	693	691	692	689	693	692	691	694	692	693	692	691	692	693	692	691	692	691	691	691	693	693	692	693																				
JMAH	U002	695	692	695	693	692	694	695	696	694	689	694	691	695	692	693	693	685	696	689	693	692	689	688	694	693	687	692	693	692	693																			
JMHE	U002	961	780	782	780	780	780	778	776	782	781	781	780	780	777	779	780	827	929	958	957	958	951	959	960	959	961	958	981	982	980	976	981	982	978	978	977	975	980											
JMJG	U002	673	668	671	673	671	672	666	675	675	671	673	672	674	671	673	673	674	676	674	673	672	673	672	674	671	672	669	678	673	673	673	673	670	676	669	669	676	676	668										
JMJG	U004	777	732	710	710	711	710	709	710	711	711	712	711	712	710	714	712	711	711	713	709	709	765	807	809	805	808	808	806	832	891	920	920	940	952	973	978	978	977	977	976	978	977	977	978	977	977			
JMJG	U005	794	794	795	696	700	700	702	702	702	701	697	700	700	700	700	703	694	704	701	703	798	804	798	799	803	798	803	801	800	801	801	799	801	799	801	798	801	798	801	799	800	800	796	797	796	796	796		
PKLG	U003	283	281	282	284	284	282	280	280	280	279	279	278	281	280	283	278	280	281	280	279	280	277	275	278	278	279	281	277	282	281	279	279	279	279	278	279	282	279	277	278	278	277	279	280	281	283			
PKLG	U004	277	274	280	277	271	279	277	278	274	274	279	275	277	280	278	288	279	279	286	281	276	276	277	278	282	282	277	270	277	276	278	279	278	279	278	276	279	279	280	277	279	277	276	279	274	277	280	278	281
PKLG	U005	469	470	469	466	467	467	467	467	468	468	468	470	468	467	468	466	467	468	468	460	469	468	467	468	468	466	467	468	468	468	468	468	468	468	468	468	468	468	468	468	467	468	473	464	467	467	472	470	467
PKLG	U006	0	0	0	0	0	0	0	0	0	0	0	0	0	0	70	100	98	99	100	100	100	102	102	102	100	105	111	145	166	160	151	170	170	170	170	170	191	212	259	286	278	281	281	282	282	279	282	280	
TBIN	U001	691	689	690	690	689	692	691	690	691	690	691	695	691	689	689	691	690	690	689	688	691	687	689	691	685	693	691	691	689	692	686	691	689	692	690	692	691	690	690	689	691	689	692	690	690	689	690	690	
TBIN	U002	690	691	690	693	691	690	692	692	695	693	690	693	695	690	692	692	691	693	692	691	693	691	693	692	691	692	691	692	693	690	689	690	691	690	692	689	694	691	693	691	694	687	694	691	689	686	691	690	
TBIN	U003	691	691	692	691	690	690	691	689	691	690	689	689	689	691	692	692	693	692	690	687	687	696	685	690	692	697	683	689	694	691	694	690	693	690	692	689	694	690	694	695	689	691	692	689	691	690	693	692	
TBIN	U004	921	832	784	783	783	783	781	780	784	782	781	785	783	780	782	782	781	797	888	973	983	982	981	981	983	983	985	982	982	982	984	982	983	983	980	982	983	984	983	982	982	983	984	981	983	982	983	983	984
Total ST-Coal		8610	8281	8235	8128	8121	8132	8120	8127	8136	8128	8126	8131	8132	8124	8200	8237	8236	8278	8501	8591	8603	8752	8787	8794	8797	8824	8801	8843	8916	8975	8983	9021	9036	9036	9055	9066	9096	9108	9159	9183	9159	9172	9176	9157	9168	9175	9175	9174	
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	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	362	369	364	270	223	224	311	365	362	365	361	363	363	362	362	367	357	362	362	362	364	362	362	366	361	360	360	363	363	365	363	369	363	365	359	364	353	363	361	362	362	362	361	356	359	362	359	369	
GLGR	GT01	66	67	69	68	69	68	68	68	69	68	68	68	67	68	69	68	67	67	67	69	99	98	101	100	100	100	101	101	102	101	102	102	100	100	101	100	68	106	106	104	105	105	103	68	68	66	69		
GLGR	GT02	67	68	68	67	67	68	68	67	68	65	68	68	68	68	68	68	68	68	68	70	101	101	101	101	100	100	100	101	101	100	101	101	100	101	100	101	67	105	105	105	105	105	104	67	68	68	67		
GLGR	ST1C	72	72	72	72	72	72	72	72	73	72	72	72	72	72	72	72	72	72	72	72	90	90	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91
KLPP	GT14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	18	38	32	32	33	33	30	38	65	75	154	154	155	155	153	154	157	158	157	157	157	158	156	141	0				
KLPP	GT15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KLPP	ST17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NPRI	BLK1	511	515	507	506	507	508	511	505	507	508	509	509	506	507	505	510	504	506	507	506	511	506	506	511	506	507	497	499	500	505	500	509	505	511	500	505	494	506	509	511	502	506	506	499	504	506	497	512	
NPRI	BLK2	512	517	509	507	507	509	512	508	508	508	513	510	506	508	506	510	507	507	507	508	512	508	507	512	508	508	496	498	498	505	497	508	503	512	499	506	494	507	510	512	502	508	506	499	504	505	495	514	
PCGP	PGRG	607	615	604	603	603	603	608	605	606	607	608	608	603	603	604	608	601	602	603	602	609	603	602	610	602	601	600	602	605	608	604	615	608	604	593	600	586	603	603	606	595	603	596	590	600	603	589	609	
PGLA	GT11	56	124	225	230	188	168	182	170	170	170	169	168	182	173	174	169	208	211	216	219	217	207	216	180	179	166	174	221	220	222	222	185	164	221	222	218	223	225	224	224	224	220	225	226	221	227			
PGLA	GT12	234	177	233	234	192	172	185	173	173	174	173	172	172	172	177	177	172	209	212	217	221	218	209	219	184	182	171	176	224	224	225	225	188	84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PGLA	ST10	110	88	242	252	216	206	208	205	207	209	207	207	207	211	209	207	207	241	240	238	243	240	235	241	228	214	210	210	250	251	251	251	232	93	116	116	118	118	118	116	115	114	116	116	115	115	116		
PLPS	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	74	146	146	135	132	138	116	124	119	130	130	139	125	120	125	139	113	116	114	133	131	132	129	131	128	124	131	126	112	0		
PLPS	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59	150	150	153	152	138	139	136	142	121	131	123	134	135	143	130	123	126	142	116	121	117	135	134	135	132	135	133	129	134	131	115	122		
PLPS	GT13	123	123	124	124	125	125	125	125	124																																								

Daily MW Generation on Tuesday

[illegible]

Daily MW Generation on Tuesday

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
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
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
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	4	5	4	4	4	3	3	5	3	5	3	5	5	4	3	2	3	3	4	4	4	4	4
PCUF	CUFK	2	2	6	3	3	5	3	5	3	3	3	4	4	3	5	3	2	4	3	3	2	3	1	5
Total Co-Gen		6	6	11	7	7	9	7	8	6	8	6	9	7	9	6	5	5	6	9	9	5	8	9	5
Total Gen		14562	14173	13894	13553	13424	13226	13066	12855	12742	12729	12618	12594	12596	12767	12803	12836	13212	14122	14751	15071	15562	15818	16068	16222
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	-29	31	32	29	29	29	29	30	29	31	32	31	31	31	29	29	29	31	29	31	29	30
TIE-PLTG		37	13	17	37	18	32	53	5	25	20	22	3	10	-24	16	4	34	19	19	40	-4	39	62	-14
Interconnection		8	-15	-12	68	49	61	82	34	54	50	51	34	42	8	46	35	65	50	50	71	26	68	91	15
System Total		14562	14196	13914	13493	13383	13172	12991	12828	12695	12687	12575	12568	12562	12767	12765	12809	13155	14079	14708	15007	15543	15757	15984	16214
SRev ST-Coal		285	381	358	439	451	438	449	439	440	443	448	442	441	466	434	437	448	400	317	312	196	204	195	191
SRev CCGT-Gas		484	470	605	859	978	1006	678	588	616	661	765	780	774	629	659	921	946	414	439	381	274	247	294	207
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		1054	1054	1141	990	990	1329	1329	1329	1329	1329	1329	1329	1329	1329	1178	1127	953	953	802	615	313	151	302	302
Hydro		150	124	185	292	291	87	105	94	118	129	132	149	152	170	177	283	192	101	165	258	405	661	693	553
S.Reserve Total		1973	2029	2289	2580	2710	2860	2561	2450	2503	2562	2674	2700	2697	2569	2631	2816	2702	1916	1957	1758	1606	1417	1342	1257