

Daily System Generation Summary on Tuesday

Tuesday, December 7, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,513 MW
Distillate	0 MW
Total TNB	2,513 MW
Total IPP	15,540 MW
Total Co-Gen	0 MW
Total System	20,896 MW

Generation Mix

Type	MWh	Percentage
Hydro	19,456	5.35 %
Gas	44,112	12.14 %
Total TNB	63,568	17.50 %
ST-Coal	207,927	57.23 %
LSS	3,660	1.01 %
Gas	86,384	23.77 %
Total IPP	297,971	82.01 %
Co-Gen	1,269	0.35 %
Total Co-Gen	1,269	0.35 %
Total Generation	362,808	99.85 %
PLTG	157	0.04 %
HVDC	-695	-0.19 %
Interconnection	-538	-0.15 %
Net Energy	363,346	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	18,223 MW
TNB Generation	3,595 MW
IPP Generation	13,594 MW
Spinning Reserve	983 MW
Maximum Demand	17,268 MW
Net Energy	363,346 MWH
Load Factor	87.67 %

Fuel Cost

Total Cost:	77,876,030.00 RM
Cost per Unit	21.46 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	286
Hydro	499
Syncon	342
Thermal	118
Total	1,245

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	23

Gas Usage

Station	(mmscfd)
GLGR	49
PGPS	40
TJGS	111
Total TNB	200
CBPS	55
NPRI	158
PGLA	113
PLPS	77
SGB3	47
SKSP	51
Total IPP	501
Total Gas	701
Total Gas Required	701

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	14475	13803	13316	12797	12585	12488	12654	12764	13294	14973	15793	16317	16285	16168	16804	17144	17268	16891	15886	16034	16795	16519	16048	15614

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, January 3, 2022 12:34:54 PM 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	696	697	695	697	696	697	696	611	605	605	605	603	652	694	697	696	696	707	707	707	706	704	706	706	707	707	705	705	706	707	704	707	707	706	705	707													
JMAH	U002	694	695	696	697	697	695	695	602	602	603	604	603	648	693	697	695	697	701	707	700	702	702	702	703	704	707	703	707	704	706	705	705	706	705	706	706													
JMHE	U001	935	901	903	881	853	850	853	849	850	851	852	848	849	849	848	852	853	899	974	981	980	979	977	979	978	980	977	976	977	974	976	976	975	975	973	973	975	975	976	977	972	974	974	972	977	970	975		
JMJG	U001	672	596	533	451	413	416	417	415	416	417	420	416	417	417	419	423	507	597	651	671	673	669	671	672	670	671	671	671	672	670	671	677	670	670	668	672	670	677	669	668	672	668	668	668	671	670	671	668	
JMJG	U002	676	595	506	414	414	420	420	418	420	420	419	420	420	418	421	420	494	598	651	668	675	674	673	674	671	672	671	669	672	674	671	672	673	673	669	665	673	671	668	674	671	674	681	668	676	669	671	673	
JMJG	U003	667	578	490	410	398	397	397	394	403	398	403	402	401	402	401	401	471	548	626	662	665	665	668	671	670	659	672	667	664	668	668	663	667	671	662	662	667	667	662	670	668	673	660	666	668	657	671	673	
JMJG	U004	928	905	901	900	841	806	805	806	803	805	807	807	806	806	806	804	807	848	905	961	973	976	975	972	978	973	977	977	976	976	975	975	974	976	976	976	976	974	976	977	972	976	972	973	972	971	974	973	972
JMJG	U005	887	887	891	887	849	854	852	848	852	850	848	849	851	851	852	852	892	892	890	892	888	891	889	892	890	890	892	891	892	891	891	892	892	892	891	894	891	892	891	887	892	892	891	891	894	890			
PKLG	U003	281	216	152	153	156	152	154	153	154	155	154	154	154	154	153	153	255	279	279	283	282	280	278	281	278	273	280	278	281	280	280	281	277	279	281	279	278	278	279	276	279	280	279	280	280	279			
PKLG	U004	140	139	141	139	140	139	139	142	142	142	140	141	141	137	140	139	139	140	141	140	140	139	140	138	138	141	139	141	142	139	139	140	141	142	141	147	139	139	141	142	141	138	140	143	140	139	139		
PKLG	U006	448	417	379	306	273	273	266	273	274	273	275	272	273	274	273	276	268	341	426	446	450	450	446	448	449	448	446	448	449	445	448	449	447	449	448	447	445	448	449	446	450	449	448	449	449	449	442		
TBIN	U001	689	690	689	690	691	607	598	600	571	570	531	531	552	550	549	602	696	699	698	698	700	697	694	699	699	700	698	699	699	697	700	698	698	698	697	699	699	698	700	699	699	698	699	698	700	700	699	700	
TBIN	U002	693	694	692	691	695	646	600	602	574	573	532	534	540	554	552	604	704	701	699	700	698	699	703	700	698	701	700	701	699	701	701	700	706	696	698	702	702	701	701	698	700	699	701	701	699	702	699	700	
TBIN	U003	691	691	690	692	692	629	599	602	576	572	530	532	548	554	552	604	701	700	701	702	700	699	701	699	699	701	699	702	700	700	701	699	700	700	702	701	701	701	701	700	701	700	703	699	699	702	701	701	
Total ST-Coal		9097	8701	8358	8008	7808	7581	7491	7315	7242	7236	7122	7111	7250	7353	7359	7521	8039	8626	9057	9205	9237	9223	9227	9228	9234	9227	9221	9237	9229	9235	9228	9229	9234	9231	9220	9222	9240	9233	9220	9225	9234	9218	9225	9217	9229	9222	9228	9225	
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	
CBPS	BLK2	363	368	367	366	366	367	364	363	365	366	366	367	366	363	357	360	357	368	364	359	365	357	364	367	357	364	370	365	362	367	369	366	365	365	359	366	366	365	362	372	370	369	369	370	362	373	366	365	
EMPP	BLK3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	375	7	0	0	0	0	
GLGR	GT01	68	69	69	68	68	69	67	68	67	70	69	69	68	68	68	67	69	68	68	68	68	67	68	86	84	85	84	86	85	85	104	103	102	103	102	101	90	66	67	68	86	85	85	83	84	83	68	67	68
GLGR	GT02	68	68	68	67	68	68	68	68	68	68	68	68	68	68	68	68	68	67	68	68	68	86	84	85	84	84	84	84	105	103	103	103	103	103	89	67	67	68	84	84	84	84	84	81	67	68	68		
GLGR	ST1C	71	72	71	71	71	71	71	71	71	71	71	71	71	71	71	70	71	70	71	71	71	71	80	83	82	83	83	83	83	90	94	95	95	95	90	72	72	72	82	82	83	83	83	83	81	72	71	71	
NPRI	BLK1	509	526	520	521	523	524	514	515	522	515	515	520	515	520	508	512	511	520	517	521	514	506	518	521	508	514	520	518	517	520	518	517	520	519	511	517	514	518	520	524	520	515	519	514	509	518	509	520	
NPRI	BLK2	493	527	526	524	527	527	518	504	523	504	505	521	520	524	497	517	490	524	524	524	514	491	522	524	499	517	523	520	523	518	521	517	523	520	499	512	514	521	525	529	524	515	523	517	493	523	508	523	
PCGP	PGRG	590	607	607	602	609	605	594	594	601	596	602	603	597	602	592	593	591	602	598	603	592	586	594	602	588	598	604	602	603	602	602	600	602	603	590	601	592	601	605	610	603	599	603	596	592	609	592	605	
PGLA	GT11	163	195	218	218	218	218	214	215	218	215	216	217	215	216	214	214	188	217	216	216	213	208	215	215	211	214	215	215	214	214	214	213	215	215	213	214	213	190	217	218	217	215	218	216	215	218	214	218	
PGLA	GT12	166	200	222	222	222	223	219	219	222	220	221	222	221	222	218	220	192	222	221	219	217	216	217	218	216	218	219	219	220	218	219	218	220	219	218	219	217	219	213	221	222	221	218	221	220	218	223	219	221
PGLA	ST10	206	211	237	238	238	237	237	235	236	235	236	237	237	237	236	236	222	238	239	238	239	238	239	241	241	241	242	242	243	242	243	242	243	241	239	240	219	243	243	241	238	241	238	237	241	238	238		
PGPS	GT3A	67	75	70	71	71	71	70	73	70	70	71	71	71	70	70	71	71	71	71	71	71	93	94	93	94	94	94	93	94	93	94	93	94	93	94	80	94	93	93	94	93	94	93	94	93	93			
PGPS	GT3B	68	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	75	75	95	95	95	94	95	95	95	95	96	95	95	95	95	95	94	95	81	95	95	94	95	94	95	94	95	94	
PGPS	ST3C	60	31	30	30	30	30	30	29	29	29	29	29	29	29	29	29	30	30	30	30	55	90	91	91	92	92	92	92	92	91	91	91	91	91	91	91	91	91	81	89	90	90	90	90	89	89	89	89	
PLPS	GT11	109	127	130	129	130	130	126	127	130	127	130	131	130	130	127	128	126																																

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
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
TBLS	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	28	29	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
PCUF	CUFK	27	26	27	24	27	28	26	26	25	26	26	26	25	27	26	27	26	26	26	26	27	26	27	26
Total Co-Gen		55	55	55	52	55	56	54	54	52	55	54	54	53	55	56	54	54	51	49	51	50	50	51	54
Total Gen		14499	14057	13805	13420	13279	12963	12801	12610	12582	12566	12468	12514	12622	12870	12714	12785	13230	14237	14897	15406	15739	16106	16274	16409
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	-28	-28	-29	-29	-28	-28	-30	-30	-30	-29	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-29
TIE-PLTG		53	35	30	-12	-9	-42	33	31	28	7	10	-5	-3	-43	-20	-12	-35	-46	-47	-38	-25	3	-13	-64
Interconnection		24	6	2	-40	-37	-70	4	3	-3	-24	-20	-35	-32	-72	-50	-42	-64	-75	-76	-66	-54	-25	-43	-93
System Total		14475	14051	13803	13460	13316	13033	12797	12607	12585	12590	12488	12549	12654	12942	12764	12827	13294	14312	14973	15472	15793	16131	16317	16502
SRev ST-Coal		180	496	513	515	552	719	739	871	872	868	869	873	829	749	735	737	525	471	277	132	100	114	110	109
SRev CCGT-Gas		722	452	422	426	388	417	463	475	434	476	456	431	451	371	456	474	592	318	351	427	419	536	388	226
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		1027	1027	1027	876	1027	1027	1027	1027	1027	1027	1027	1027	1027	839	651	651	464	313	464	464	500	651	464	464
Hydro		166	97	36	215	46	107	131	134	128	134	137	157	319	102	181	141	145	100	121	210	335	315	524	383
S.Reserve Total		2095	2072	1998	2032	2013	2270	2360	2507	2461	2505	2489	2488	2475	2249	2399	2379	2289	1916	1588	1420	1505	1429	1335	1182
		1296	1192	1192	1151	983	897	1135	1474	1780	2033	1547	1037	1101	1252	1084	1234	1355	1378	1533	1676				