

Daily System Generation Summary on Tuesday

Tuesday, December 29, 2020

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,522 MW
Distillate	0 MW
Total TNB	2,522 MW
Total IPP	15,504 MW
Total Co-Gen	0 MW
Total System	20,849 MW

Generation Mix

Type	MWh	Percentage
Hydro	23,215	6.53 %
Gas	36,850	10.36 %
Total TNB	60,065	16.89 %
ST-Coal	203,141	57.13 %
LSS	3,267	0.92 %
Gas	89,493	25.17 %
Total IPP	295,901	83.22 %
Co-Gen	170	0.05 %
Total Co-Gen	170	0.05 %
Total Generation	356,136	100.17 %
PLTG	-136	-0.04 %
HVDC	723	0.20 %
Interconnection	587	0.17 %
Net Energy	355,549	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	17,709 MW
TNB Generation	3,784 MW
IPP Generation	12,943 MW
Spinning Reserve	976 MW
Maximum Demand	16,769 MW
Net Energy	355,549 MWH
Load Factor	88.34 %

Fuel Cost

Total Cost:	43,060,836.88 RM
Cost per Unit	12.09 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	332
Hydro	524
Syncon	332
Thermal	152
Total	1,340

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	26

Gas Usage

Station	(mmcsfd)
GLGR	53
SRDG	6
TJGS	206
Total TNB	264
CBPS	55
KLPP	97
NPRI	159
PGLA	105
PLPS	87
SGB3	34
Total IPP	536
Total Gas	801
Total Gas Required	801

Alternate Fuel Usage

Station	(mmcsfd)
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	14370	13869	13325	12932	12636	12473	12646	12830	13137	14704	15398	15970	15840	15704	16253	16671	16769	16323	15345	15358	16163	15814	15373	15010

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, January 5, 2021 10:26:47 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	692	692	692	692	693	693	692	694	693	693	691	694	694	691	688	693	693	691	694	692	692	693	693	692	692	694	692	692	693	693	692																			
JMHE	U001	980	982	983	901	800	802	802	805	799	805	801	798	802	801	797	801	801	874	982	978	978	979	978	980	979	978	979	981	980	977	975	981	984	982	980	976	980	982	982	981	981									
JMJG	U001	666	668	669	669	666	668	664	669	672	668	669	671	669	675	669	671	672	667	669	666	669	669	671	668	668	667	669	668	671	668	672	676	671	671	669	672	672	671	671	672	671	670	661							
JMJG	U002	629	534	469	425	397	369	362	358	333	275	215	28	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								
JMJG	U004	963	906	900	900	843	790	757	728	714	712	714	712	711	713	712	744	804	860	918	973	975	976	973	977	976	974	977	981	972	977	973	976	975	976	975	977	978	977	979	975	977	975	976	979						
JMJG	U005	794	803	800	804	725	725	731	729	731	730	732	727	730	729	730	729	731	752	801	800	801	801	800	800	804	798	801	801	801	800	800	804	800	804	798	796	796	796	801	801	798	801	801	800	804	803	798			
PKLG	U003	279	279	279	279	278	278	277	277	277	278	277	278	279	281	281	281	279	278	279	278	279	279	280	278	189	170	137	144	139	140	140	144	143	142	143	144	144	143	144	145	144	144	144	143	144	145	146			
PKLG	U004	281	279	276	275	278	276	272	278	278	279	281	275	276	280	277	276	278	279	277	279	279	278	278	274	279	283	281	277	277	278	289	281	274	275	278	279	278	279	277	278	278	278	278	278	278					
PKLG	U005	468	468	468	468	467	467	469	468	469	468	467	467	469	468	469	468	466	467	470	466	462	467	469	467	468	466	466	467	467	468	467	466	467	467	468	468	469	468	466	466	466	467	467	468	466					
PKLG	U006	445	451	447	448	445	447	451	451	451	450	447	449	447	448	451	449	449	443	448	445	446	449	449	447	447	449	451	449	447	449	449	451	449	449	451	447	448	447	447	450	449	446	447	449	451	447	447			
TBIN	U001	689	689	685	688	689	690	689	688	686	691	687	688	691	688	687	690	688	689	687	687	692	687	689	688	691	689	686	691	689	691	690	688	690	691	688	688	689	691	695	690	690	689	688	688	691	686	689			
TBIN	U002	692	692	688	688	694	693	689	692	690	690	693	691	691	694	694	687	693	690	693	691	692	691	689	694	690	688	692	691	691	687	693	691	691	694	690	691	694	693	694	690	694	695	691	694	689	695	689	695		
TBIN	U003	692	690	692	693	691	693	691	692	692	693	691	692	694	695	690	691	699	690	693	694	690	694	695	690	692	698	693	692	690	692	690	692	694	693	693	694	691	693	693	693	694	695	691	689	693	691	692	697		
TBIN	U004	983	981	981	902	834	804	803	803	803	803	804	803	803	802	801	802	803	825	915	982	982	984	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982	982			
Total ST-Coal		9253	9114	9029	8832	8500	8395	8349	8332	8288	8235	8167	7975	7957	7965	7951	7945	7967	8099	8408	8520	8585	8642	8642	8643	8636	8557	8533	8511	8507	8509	8500	8504	8520	8520	8509	8512	8509	8518	8518	8517	8525	8518	8507	8507	8513	8524	8510	8511		
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			
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			
CBPS	BLK2	349	356	362	360	359	363	357	358	359	360	353	362	357	363	360	360	361	362	357	357	357	360	362	362	367	360	366	366	367	358	361	364	359	363	363	356	357	367	360	368	357	356	363	363	363	363	365			
GLGR	GT01	67	69	68	68	67	68	67	68	67	69	67	66	68	68	67	68	93	101	101	100	100	101	100	99	99	72	67	91	100	100	99	99	99	100	101	100	100	99	100	101	101	101	100	101	101	100	99	67		
GLGR	GT02	68	69	68	68	67	67	68	67	68	68	68	68	67	68	67	68	94	101	100	100	100	101	100	100	70	67	90	100	100	100	100	100	100	100	100	99	99	100	100	101	101	101	101	101	99	67				
GLGR	ST1C	72	72	72	71	72	72	72	72	72	72	72	72	72	72	72	85	91	91	91	91	90	90	91	91	78	72	82	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91		
KLPP	GT13	109	113	113	113	113	113	78	72	72	69	66	71	71	72	70	72	106	141	143	142	140	139	141	139	139	136	138	142	142	141	141	141	142	142	143	141	140	140	138	136	132	132	136	134	129	131	132			
KLPP	GT14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	82	154	155	156	153	155	155	153	155	157	156	158	159	156	158	155	158	155	155	158	155	155	158	156	158	157	157	159	156	157	158	124
KLPP	GT15	126	129	129	130	130	130	89	88	88	88	88	88	88	91	94	89	111	143	143	167	166	161	162	163	163	161	161	161	164	164	164	165	163	164	164	162	163	163	163	165	161	166	166	163	163	161	164	161		
KLPP	ST17	157	121	123	124	120	123	93	88	88	87	87	86	86	87	87	86	86	136	136	156	202	206	206	200	200	202	202	201	201	201	201	201	200	200	200	200	200	200	200	200	199	199	199	199	199	199	199	193		
NPRI	BLK1	502	514	519	512	509	516	511	509	505	515	505	511	510	515	509	515	517	514	515	508	509	513	510	515	514	515	514	523	517	524	513	514	514	513	516	516	501	509	518	519	518	515	508	516	514	515	515	515		
NPRI	BLK2	499	512	518	511	507	511	507	507	505	512	503	508	508	513	507	511	512	512	511	505	507	511	508	513	512	515	511	521	515	525	511	511	512	513	513	515	499	506	514	516	514	513	505	514	512	512	511	512		
PCGP	PGRG	586	602	610	600	596	602	597	595	592	603	588	595	599	603	599	604	601	602	603	595	594	603	595	603	600	607	602	615	606	620	601	604	602	603	603	605	586	594	607	611	607	603	594	606	599	602	603	603		
PGLA	GT11	168	172	188	169	193	178	170	171	168	172	168	189	172	219	205	219	174	219	183	198	184	172	180	206	194	216	195	221	216	218	201	212	209	203	217	197	168	200	201	199	182	172	171	211	167	173	173	182		
PGLA	GT12	171	176	191	172	198	182	175	175	173	177	172	193	176	220	209	222	178	221	187	200	186	177	183	209	198	219	198	225	220	226	204	218	214	220	182	201	172	201	205	203	186	175	173	215	171	176	175	185		
PGLA	ST10	206	208	211	214	221	208	217	206	208	206	206	213	218	235	223	234	205	238	212	226	223	209	221	233	217	240	226	239	244	244	232	237	238	240	220	219	208	234	215	227	219	216	211	224	219	207	211	208		
PLPS	GT11	108	111	60	57	58	57	53	54	54	56	52	57	57	56	57	66	113	132	131	127																														

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	
Total 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	
BSIA	HY01	22	22	22	22	22	22	22	22	12	12	12	12	12	0	0	0	21	21	21	21	21	21	21	21	
BSIA	HY02	23	23	23	23	23	23	23	23	12	12	13	12	13	13	13	12	23	23	23	23	23	23	23	23	
BSIA	HY03	24	24	24	24	24	24	24	24	23	12	12	12	12	0	0	0	23	23	22	22	23	23	23	23	
CEND	HY01	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
CEND	HY02	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
CEND	HY03	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
CEND	HY04	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
HTRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	63	62	61	63	63	63	125	125	
HTRG	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	125	124	124	124	124	124	125	124	
KNRG	HY01	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	
KNRG	HY02	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	
KNRG	HY03	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	
KNYR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	57	58	61	60	-1	-1	-1	-1	
KNYR	HY02	65	59	87	59	58	67	59	58	58	57	58	83	60	77	59	79	64	78	57	60	59	58	58	62	
KNYR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101	102	104	100	100	
KNYR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	59	59	62	61	62	61	104	105	
LPIA	HY01	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	
LPIA	HY02	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	6	6	6	6	6	8	8	8	8	
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
PGAU	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	51	51	51	49	49	31	31	31	31	
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	30	31	31	31	
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TMGR	HY01	62	64	3	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
TMGR	HY02	61	65	67	65	65	65	63	64	63	64	62	64	65	65	65	65	89	90	90	90	90	90	90	90	
TMGR	HY03	59	62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	82	82	81	82	82	82	82	
TMGR	HY04	60	63	63	33	33	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	86	86	85	86	86	86	86	86	
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	94	89	91	95	91	96	-1	-1	
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
UPIA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
UPIA	HY02	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
Total Hydro		563	569	476	412	411	386	376	376	374	342	341	369	346	340	344	364	371	709	878	1000	1003	1247	1328	1191	1030
Total Distillate		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
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	6	15	16	23	13	19	26	25	
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	4	14	20	24	27	30	30	18	
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	12	16	21	25	28	30	30	30	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	11	10	13	13	16	26	28	41	
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	14	20	27	33	37	41	44	44	27	
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	7	11	14	18	18	27	28	28	29	

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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