

Daily System Generation Summary on Tuesday

Tuesday, December 22, 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	16,133 MW
Total Co-Gen	0 MW
Total System	21,355 MW

Generation Mix

Type	MWh	Percentage
Hydro	20,209	5.70 %
Gas	38,762	10.93 %
Total TNB	58,971	16.63 %
ST-Coal	200,100	56.44 %
LSS	3,307	0.93 %
Gas	92,605	26.12 %
Total IPP	296,012	83.49 %
Co-Gen	159	0.04 %
Total Co-Gen	159	0.04 %
Total Generation	355,142	100.16 %
PLTG	221	0.06 %
HVDC	358	0.10 %
Interconnection	579	0.16 %
Net Energy	354,563	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	17,800 MW
TNB Generation	3,565 MW
IPP Generation	13,207 MW
Spinning Reserve	1,020 MW
Maximum Demand	16,765 MW
Net Energy	354,563 MWH
Load Factor	88.12 %

Fuel Cost

Total Cost:	43,144,428.75 RM
Cost per Unit	12.14 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	189
Hydro	532
Syncon	431
Thermal	146
Total	1,298

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	54
SRDG	8
TJGS	213
Total TNB	275
CBPS	53
NPRI	159
PGLA	110
PLPS	92
SGB3	86
YPKA	51
Total IPP	552
Total Gas	826

Total Gas Required	826
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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	14078	13512	13081	12667	12373	12263	12392	12689	12951	14628	15497	16021	15960	15744	16283	16601	16765	16390	15542	15576	16264	15994	15562	15098

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, January 5, 2021 10:24:02 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	691	692	694	693	694	693	692	694	692	693	693	693	692	693	693	692	695	692	694	693	691	693	693	695	697	694	692	693																				
JMAH	U002	690	695	695	695	693	695	695	695	693	695	694	694	692	694	693	695	697	693	693	693	696	693	693	694	692	693	695	693																				
JMHE	U001	788	797	802	799	800	803	803	802	800	803	799	803	801	800	803	794	800	826	973	980	979	979	983	984	978	984	980	979																				
JMJG	U002	599	603	597	601	647	677	667	667	671	672	673	673	677	671	672	673	670	672	678	673	676	677	675	671	671	668	669	673																				
JMJG	U004	925	870	814	808	809	810	810	809	810	812	809	810	809	810	808	811	823	879	937	979	981	981	977	979	980	977	977	972																				
PKLG	U003	281	282	281	280	280	280	277	277	279	280	281	280	280	281	278	279	278	277	277	279	279	279	278	279	276	276	277	279																				
PKLG	U004	279	281	278	277	278	276	277	278	274	279	278	278	279	279	278	277	277	276	278	279	279	277	276	278	280	277	279	281																				
PKLG	U005	467	468	462	464	462	464	465	464	464	464	466	466	463	464	464	466	466	467	466	467	466	466	466	466	466	466	468	468																				
PKLG	U006	451	449	449	449	447	449	451	449	451	448	448	448	451	451	449	448	449	449	449	449	448	448	448	447	448	449	449	449																				
TBIN	U001	690	688	693	690	690	688	690	691	690	691	690	690	690	689	690	689	690	691	689	691	690	691	684	691	693	685	690	684																				
TBIN	U002	691	693	694	693	692	695	702	696	695	691	693	693	694	693	692	694	693	694	692	691	695	693	693	691	692	692	694	694																				
TBIN	U003	689	689	688	689	684	689	689	689	690	688	687	689	689	690	686	686	688	689	690	685	689	686	688	691	689	687	689	689																				
TBIN	U004	918	827	803	803	804	801	802	803	804	801	804	805	803	802	801	802	802	810	899	983	983	983	981	981	982	982	983	983																				
Total ST-Coal		8159	8034	7950	7941	7980	8020	8020	8014	8013	8015	8014	8021	8022	8016	8011	7998	8006	8057	8363	8499	8552	8546	8552	8538	8547	8539	8527	8548	8545	8537	8539	8538	8541	8546	8532	8544	8523	8518	8547	8539	8518	8531	8531	8539	8525	8532	8541	8537
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	367	364	375	365	365	362	355	244	223	223	223	303	365	361	359	365	362	362	366	364	364	362	361	362	361	363	366	364	365	367	367	369	365	365	364	362	362	369	365	363	363	362	361	362	366	365		
GLGR	GT01	101	103	104	103	102	66	68	69	67	69	67	69	68	67	69	96	102	100	100	100	100	100	100	101	100	101	100	101	101	101	101	100	100	100	99	100	101	101	101	99	101	99	101	101	101	100		
GLGR	GT02	102	102	102	103	102	67	68	68	67	67	67	68	67	67	68	68	96	99	100	100	99	100	100	99	100	99	100	100	101	100	100	100	100	100	101	101	100	100	100	100	101	100	100	101	101	101	101	
GLGR	ST1C	92	92	92	92	92	77	71	71	72	71	72	72	72	71	72	71	85	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	90	90		
NPRI	BLK1	519	520	527	518	516	514	511	517	515	514	514	514	516	515	515	512	517	516	516	516	518	514	516	516	516	516	515	516	515	519	518	517	514	515	514	512	515	523	515	515	514	515	510	515	515			
NPRI	BLK2	523	520	529	519	517	515	512	518	517	514	516	517	516	517	514	516	519	523	517	518	516	521	516	518	517	516	517	517	520	520	520	520	520	520	517	516	516	516	526	517	517	518	518	516	514	518	518	
PCGP	PGRG	607	604	621	607	603	599	595	604	600	599	602	605	601	603	603	600	603	603	601	602	602	603	602	608	601	603	603	603	607	604	608	609	607	611	600	603	601	598	601	618	602	601	602	603	599	597	603	602
PGLA	GT11	214	214	218	214	213	212	169	171	170	170	170	170	169	170	170	219	219	219	219	217	218	216	217	218	218	218	219	218	219	217	219	218	216	218	216	217	218	222	219	217	219	219	218	218	220	219		
PGLA	GT12	218	216	221	217	217	216	171	174	172	174	173	175	174	174	173	173	222	222	222	221	221	221	221	221	221	221	221	221	221	221	221	221	222	220	221	221	219	220	226	222	222	222	222	220	221	223	222	
PGLA	ST10	241	237	241	237	236	237	205	208	208	207	208	207	206	207	206	206	242	242	242	243	244	244	243	243	244	244	243	243	244	244	245	245	246	243	244	244	243	243	244	243	241	241	241	241	239	241	240	
PLPS	GT11	145	145	0	0	0	0	0	0	0	0	0	0	0	0	0	63	153	146	145	145	146	146	145	145	145	144	143	143	143	142	143	143	144	145	145	144	146	145	145	145	145	145	145	145	145	145	145	
PLPS	GT12	147	148	134	36	0	0	0	0	0	0	0	0	0	0	0	0	0	73	150	149	149	150	150	150	149	148	149	149	149	149	149	150	150	150	150	152	151	150	150	151	150	151	150	150	150	150		
PLPS	GT13	141	141	123	122	124	124	122	126	125	125	123	124	125	124	125	125	122	122	122	127	127	127	127	126	126	126	126	128	130	126	130	126	126	127	126	127	128	131	128	126	128	127	126	126	127	127		
PLPS	ST18	214	213	166	111	61	60	58	59	58	59	59	58	58	59	59	60	57	144	146	212	212	211	212	212	212	211	211	212	211	212	211	212	211	211	211	211	211	211	212	211	211	210	211	211	210	211	211	
SGB3	GT31	131	132	132	128	124	110	108	111	112	110	110	111	111	111	111	110	142	142	142	142	138	142	142	140	139	142	139	140	140	140	140	140	140	140	139	139	119	138	140	138	138	138	137	137	137	137		
SGB3	GT32	137	134	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	78	144	145	144	144	144	144	146	145	145	147	147	146	146	145	145	123	142	145	143	142	143	142	142	142	142	142	142		
SGB3	GT33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	146	146	145	145	143	143	142	141	142	144	142	144	144	145	144	144	143	143	121	140	143	141	141	141	141	141	140	140	140		
SGB3	ST34	147	144	114	70	70	63	63	63	63	63	63	63	63	63	64	64	64	76	150	154	158	221	220	220	220	220	220	220	220	220	220	220	221	221	221	221	221	220	220	219	219	219	219	219	218			
TJGS	GT1A	229	228	236	234	229	217	184	233	211	183	189	163	197	227	214	225	221	232	226	230	224	230	226	223	220	228	233	230	231	231	229	229	232	231	228	229	220	230	230	239	220	228	232	228	226	227	231	197
TJGS	GT1B	221	215	217	224	214	208	174	219	199	170	175	155	186	217	205	212	208	219	213	215	207	223	209	215	212	213	211	214	218	219	222	219	220	221	216	220	212	214	214	219	215	218	222	219	211	220	220	183
TJGS	ST1C	253	24																																														

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	
BSIA	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	
BSIA	HY03	23	23	23	23	23	23	23	23	11	11	11	11	12	12	12	12	12	12	13	12	23	23	23	24	24
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	8	8	8	8	8	8	8	8	9	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
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	8	7	7	7	8	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	123	124	123	124	123	124	124	63	63	
HTRG	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	124	64	125	125	125	63	63	123	124	124	123	123	123	124
KNRG	HY01	0	0	0	0	0	0	0	0	0	0	0	35	35	35	35	35	34	35	34	34	34	34	34	34	
KNRG	HY02	0	0	0	0	0	0	0	0	0	0	0	36	36	36	36	36	35	36	35	36	35	35	35	35	
KNRG	HY03	36	36	36	36	36	36	36	36	36	36	36	34	34	34	34	34	34	34	34	34	34	34	34	34	
KNYR	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59	101	100	100	60	100	93	75	65	
KNYR	HY02	104	67	101	101	69	60	59	77	62	61	60	60	59	68	60	65	69	95	64	71	61	84	61	79	
KNYR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	101	-1	-1	-1	99	59	59	-1	-1	-1	-1	37	100	
KNYR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	63	61	61	61	61	61	-1	-1	-1	-1	-1	-1	102	
LPIA	HY01	21	21	21	20	20	20	19	19	19	19	19	18	18	18	22	22	22	22	22	22	22	22	22	22	
LPIA	HY02	20	20	20	19	19	19	19	19	19	19	19	18	18	18	22	22	22	22	22	22	22	22	22	22	
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	6	6	6	6	6	6	7	7	7	
PGAU	HY01	20	0	0	0	0	0	0	0	18	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
PGAU	HY02	-1	-1	-1	-1	-1	5	19	-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	21	21	21	21	21	21	21	21	21	
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	21	21	21	21	21	21	21	
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	31	31	31	31	31	31	31	31	
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	30	30	30	30	30	50	50	50	50	
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30	30	50	50	50	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	25	25	25	25	17	0	
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	25	25	25	25	17	0	
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	17	0	
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	25	25	25	25	17	0	
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	82	82	82	82	
TMGR	HY02	90	49	86	86	52	46	46	67	46	46	46	47	46	50	44	50	74	45	53	44	69	44	60	44	
TMGR	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	
TMGR	HY04	33	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	83	83	83	83	83	
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	92	182	183	182	182	183	184	98	-1	97	99	99	
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	94	94	94	94	93	95	90	100	99	187	185	
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		386	254	326	323	257	248	260	280	232	248	228	229	227	239	225	224	321	936	713	788	790	1047	1063	1123	1001
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	
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	4	7	9	14	20	21	22	27	23	25	20	
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	10	12	18	21	22	29	30	31	29	30	
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	8	13	17	21	21	28	28	30	30	29	30	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	5	14	18	24	30	35	43	32	45	18	19	24	
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	10	18	25	29	18	25	38	20	24		
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	7	12	15	19	16	18	14	19	25	25		
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	11	18	25	29	21	27	38	45	45	49	46	
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	2	6	14	19	25	28	33	34	41	44	48	48		

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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