

Daily System Generation Summary on Tuesday

Tuesday, June 15, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,340 MW
Distillate	0 MW
Total TNB	2,340 MW
Total IPP	17,479 MW
Total Co-Gen	0 MW
Total System	23,964 MW

Generation Mix

Type	MWh	Percentage
Hydro	14,067	4.38 %
Gas	70,425	21.94 %
Total TNB	84,492	26.32 %
ST-Coal	179,423	55.90 %
LSS	3,065	0.95 %
Gas	54,125	16.86 %
Total IPP	236,613	73.71 %
Co-Gen	163	0.05 %
Total Co-Gen	163	0.05 %
Total Generation	321,268	100.08 %
PLTG	-453	-0.14 %
HVDC	723	0.23 %
Interconnection	270	0.08 %
Net Energy	320,998	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:	14:30:00 Hour
Total Set On Bus	15,868 MW
TNB Generation	3,939 MW
IPP Generation	10,667 MW
Spinning Reserve	1,256 MW
Maximum Demand	14,581 MW
Net Energy	320,998 MWH
Load Factor	91.73 %

Fuel Cost

Total Cost:	44,858,865.63 RM
Cost per Unit	13.97 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	156
Hydro	429
Syncon	571
Thermal	353
Total	1,509

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Cloudy	25

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	220
Total TNB	250
CBPS	55
NPRI	159
PLPS	51
Total IPP	265
Total Gas	515
Total Gas Required	515

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	13638	13017	12565	12199	11895	11650	11639	11619	11864	13043	13556	13993	14102	14199	14475	14514	14416	14148	13514	13559	14527	14389	14191	14050

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, July 5, 2021 5:30:08 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

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	600	481	344	352	351	351	351	352	350	352	351	353	350	351	351	351	351	351	352	351	351	351	351	351
JMHE	U001	920	850	852	850	806	784	780	780	783	780	781	783	779	782	780	780	779	781	780	849	851	850	851	849	901
JMHE	U002	920	851	851	851	806	781	780	780	779	782	780	781	780	781	780	780	778	779	778	852	850	851	849	850	899
JMJG	U001	669	669	677	671	671	664	646	596	590	541	547	545	545	547	549	549	671	667	676	670	673	671	671	673	670
JMJG	U002	672	675	673	672	674	666	645	598	593	539	542	546	552	547	551	562	672	668	672	671	671	672	672	673	673
JMJG	U003	682	669	667	662	668	663	643	593	593	541	550	542	545	545	531	573	626	666	666	641	574	640	662	660	586
JMJG	U005	890	849	844	852	796	797	800	797	799	799	800	801	800	799	801	799	800	801	854	852	850	851	892	895	889
PKLG	U003	279	280	280	281	282	282	283	282	281	283	282	281	280	278	280	279	276	279	279	279	280	280	279	278	279
PKLG	U006	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TBIN	U001	690	651	595	551	499	473	416	348	353	351	351	352	351	351	351	351	353	513	661	697	687	686	689	689	689
TBIN	U002	693	649	604	551	501	487	432	351	353	352	355	352	354	351	354	354	349	514	637	689	692	692	695	693	692
TBIN	U004	920	856	851	852	853	854	852	853	853	854	850	852	853	852	851	851	851	853	851	853	852	853	853	904	902
Total ST-Coal		8027	7599	7375	7137	6908	6802	6628	6329	6329	6172	6190	6186	6192	6183	6179	6229	6506	7026	7405	7750	7671	7741	7766	7848	7880
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
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
CBPS	BLK2	358	365	357	362	365	359	359	367	367	362	357	362	363	363	358	351	357	365	358	358	362	358	362	362	365
GLGR	GT01	95	95	94	95	94	95	95	96	94	95	95	95	95	95	95	94	104	105	105	106	104	106	103	107	106
GLGR	ST1C	40	40	40	41	41	39	40	40	40	40	40	40	39	40	40	39	42	42	43	43	44	43	45	43	43
NPRI	BLK1	514	515	515	515	514	515	514	522	514	515	515	515	515	515	514	511	507	513	515	505	515	515	514	515	509
NPRI	BLK2	517	520	518	519	518	518	519	526	517	519	518	520	518	518	519	516	511	518	520	509	518	518	519	518	517
PCGP	PGRG	603	604	603	601	602	603	601	601	603	601	602	603	604	602	601	601	601	602	603	602	604	602	603	602	601
PLPS	GT11	144	141	127	129	129	128	129	128	129	129	128	129	129	128	129	138	138	139	138	139	139	139	138	137	136
PLPS	GT13	145	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PLPS	ST18	180	88	58	57	56	57	56	57	57	56	57	57	57	56	57	57	58	58	58	58	58	58	59	110	144
SPGP	BLK1	717	717	717	717	719	717	719	715	718	718	717	717	718	717	719	717	718	718	717	716	717	715	716	717	715
SPGP	BLK2	719	718	719	720	720	718	720	717	718	719	717	718	717	718	719	719	719	718	719	717	719	719	718	718	719
TJGS	GT1A	223	223	226	228	226	227	225	227	225	227	227	228	228	226	228	226	229	224	225	226	224	227	223	223	226
TJGS	GT1B	216	213	216	219	222	216	217	217	218	219	217	220	215	216	219	218	218	216	215	214	214	215	217	217	216
TJGS	ST1C	243	243	243	243	240	240	240	240	240	240	240	240	240	240	240	244	244	244	244	244	244	244	244	244	244
TJGS	GT2A	216	216	216	216	216	216	216	217	217	217	186	217	217	215	216	216	217	215	215	215	215	215	215	215	215
TJGS	GT2B	212	214	214	211	212	212	212	212	212	183	213	213	213	213	213	213	212	212	212	214	213	213	213	213	213
TJGS	ST2C	253	253	253	253	253	253	253	253	253	234	252	252	252	252	252	252	252	252	254	254	254	254	254	254	254
Total CCGT-Gas		5395	5165	5116	5126	5127	5113	5115	5135	5121	5121	5036	5122	5126	5114	5124	5106	5096	5115	5146	5114	5138	5148	5145	5145	5127
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	0
BSIA	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	0
BSIA	HY02	23	24	24	24	24	24	23	24	24	23	23	12	12	12	12	11	12	12	11	12	12	12	12	12	12
BSIA	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	0
CEND	HY01	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
CEND	HY02	10	10	9	9	10	9	10	10	10	9	10	10	9	10	10	10	9	10	10	9	10	9	10	10	10
CEND	HY03	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
CEND	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	0
HTRG	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	-1
KNRG	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	0
KNRG	HY02	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	21	21	22	21	39	39	38
KNRG	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	0
KNYR	HY01	64	100	94	99	100	100	98	98	99	98	97	64	74	86	69	65	62	65	67	62	62	73	66	76	64
KNYR	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59	99	99	99

System Total	13638	13317	13017	12796	12565	12382	12199	11997	11895	11756	11650	11635	11639	11665	11619	11562	11864	12559	13043	13372	13556	13792	13993	14099	14102	14159	14199	14396	14475	14581	14514	14488	14416	14391	14148	13801	13514	13334	13559	14310	14527	14472	14389	14293	14191	14206	14050	13802
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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		
SRev ST-Coal		315	569	617	614	656	677	735	807	806	805	806	806	807	809	808	810	707	671	620	426	433	417	428	393	371	403	384	391	366	278	272	281	293	284	280	444	465	455	455	353	318	311	288	319	340	351	396	540	
SRev CCGT-Gas		165	211	154	144	143	157	155	135	149	149	234	148	144	156	146	164	174	155	124	156	132	122	125	125	143	121	121	118	108	114	112	191	178	189	190	185	214	401	204	138	144	191	237	252	141	147	153	153	
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	0	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	0	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	0	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	0	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		940	638	638	638	638	825	825	825	825	825	775	926	926	926	1027	1027	1027	1027	1028	825	825	651	651	651	551	464	277	126	277	277	364	638	638	638	926	926	926	926	551	277	277	464	565	652	501	839	926		
Hydro		168	159	179	161	167	72	77	31	72	76	81	290	143	118	154	129	133	158	158	185	251	237	269	230	242	402	524	571	691	592	623	520	486	489	526	178	186	168	182	346	616	662	599	496	280	385	162	116	
S.Reserve Total		1588	1577	1588	1557	1604	1731	1792	1798	1852	1855	1946	2019	2020	2009	2034	2130	2041	2011	1929	1795	1641	1601	1473	1399	1407	1477	1493	1357	1291	1261	1284	1356	1595	1600	1634	1733	1791	1950	1767	1388	1355	1441	1588	1632	1413	1384	1550	1735	