

Daily System Generation Summary on Tuesday

Tuesday, August 25, 2020

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,236 MW
Distillate	0 MW
Total TNB	2,236 MW
Total IPP	18,763 MW
Total Co-Gen	0 MW
Total System	23,822 MW

Generation Mix

Type	MWh	Percentage
Hydro	22,498	5.97 %
Gas	29,517	7.83 %
Total TNB	52,015	13.81 %
ST-Coal	263,699	69.99 %
LSS	2,678	0.71 %
Gas	56,685	15.05 %
Total IPP	323,062	85.75 %
Co-Gen	175	0.05 %
Total Co-Gen	175	0.05 %
Total Generation	375,252	99.60 %
PLTG	-805	-0.21 %
HVDC	-694	-0.18 %
Interconnection	-1,499	-0.40 %
Net Energy	376,751	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:	15:30:00 Hour
Total Set On Bus	19,086 MW
TNB Generation	2,971 MW
IPP Generation	14,921 MW
Spinning Reserve	1,187 MW
Maximum Demand	17,978 MW
Net Energy	376,751 MWH
Load Factor	87.32 %

Fuel Cost

Total Cost:	52,715,832.47 RM
Cost per Unit	14.05 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	408
Hydro	369
Syncon	498
Thermal	181
Total	1,456

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	28
TJGS	183
Total TNB	211
CBPS	47
NPRI	139
PGLA	80
SGRI	41
Total IPP	308
Total Gas	519
Total Gas Required	519

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	15425	14642	14027	13676	13327	13084	13335	13294	13739	15570	16509	16978	17055	16866	17567	17904	17921	17417	16138	15893	16944	16874	16428	15936

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, September 4, 2020 10:35:41 AM

(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	696	693	693	691	692	695	693	692	694	547	503	555	604	693	692	615	623	694	688	694	692	692	692	693	690	696	691	692	691	693	692	691	693	694	691	693	691	692	693	693	692	692	695	692	692	692	692	692			
JMAH	U002	699	693	691	696	693	690	695	693	699	554	500	559	610	694	693	630	614	695	696	693	694	693	693	693	694	693	691	694	697	691	693	693	695	691	696	694	697	692	696	691	698	695	697	690	693	694	695	693			
JMHE	U001	988	949	950	901	903	899	902	811	810	818	811	811	812	812	810	812	810	813	931	981	981	979	981	979	986	981	981	980	981	981	980	982	982	981	984	978	978	982	981	981	980	982	978	981	979	976	978	981			
JMHE	U002	987	951	951	901	901	900	900	809	810	816	814	809	814	809	810	812	810	810	965	981	984	977	981	978	984	983	980	980	980	979	983	980	979	982	979	977	983	982	979	983	979	980	980	977	978	978	982				
JMJG	U001	674	679	678	677	683	550	447	451	449	447	447	447	447	449	451	448	447	449	613	686	674	669	673	671	670	670	673	672	673	673	674	674	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660				
JMJG	U002	673	671	668	674	671	674	677	670	670	679	664	680	666	680	671	666	675	671	666	673	669	675	671	672	677	673	668	678	677	671	681	668	667	667	660	660	660	660	660	660	660	660	660	660	660	660	660	660			
JMJG	U003	667	667	663	669	668	671	667	668	667	667	668	666	672	668	668	673	668	668	665	664	671	670	667	665	668	670	664	666	666	665	665	663	665	665	660	660	660	660	660	660	660	660	660	660	660	660	660	660			
JMJG	U004	980	954	951	903	905	904	901	826	819	817	819	818	817	813	811	812	814	813	883	939	965	971	580	529	505	571	630	659	657	705	737	764	785	800	800	800	800	800	800	800	800	800	800	798	799	801	801	803	801	798	803
JMJG	U005	733	731	729	731	730	729	733	730	732	732	730	730	728	736	735	732	730	733	731	731	733	732	733	730	730	733	730	730	728	729	733	731	729	729	730	730	730	730	730	730	725	724	725	724	725	725	725	730			
PKLG	U003	277	277	278	277	277	278	275	275	275	276	276	276	275	275	273	274	277	275	279	278	276	277	277	278	276	273	275	274	277	275	278	275	277	276	277	277	275	277	273	274	276	272	275	275	276	275	276				
PKLG	U004	279	277	276	276	277	278	276	280	277	278	278	278	279	278	276	273	276	280	279	278	276	273	278	276	278	282	275	278	279	278	296	282	277	276	278	275	278	285	288	276	276	279	274	278	279	278					
PKLG	U005	468	468	466	467	468	468	464	466	469	467	466	470	468	466	462	465	465	464	467	470	467	464	467	468	473	464	468	466	468	466	466	467	468	467	467	468	470	468	466	466	465	467	466	467	463	466	471	466			
PKLG	U006	448	452	452	451	452	450	447	450	451	449	449	448	450	449	449	448	446	445	445	448	449	446	445	446	449	449	452	450	446	446	445	446	448	446	445	447	446	448	448	448	449	451	457	450	449	450	451	448			
TBIN	U001	693	693	691	691	690	692	687	691	690	692	691	689	690	690	694	690	687	689	690	691	691	689	689	689	689	687	690	690	693	685	691	689	690	686	690	689	689	689	690	691	685	687	690	687	691	689	691				
TBIN	U002	0	-24	-5	-5	123	189	296	366	454	643	635	631	633	629	630	659	689	644	301	229	214	215	217	306	415	535	631	694	692	694	693	692	695	690	686	676	692	692	693	692	693	691	694	692	692	693	694	691			
TBIN	U003	693	691	691	690	691	691	691	691	692	691	690	691	689	689	690	691	692	691	688	690	692	691	690	690	688	690	689	690	690	689	689	692	689	694	693	691	688	690	691	689	694	690	689	692	689	691					
TBIN	U004	982	951	955	903	902	903	902	821	812	812	811	813	813	813	812	813	813	813	897	984	982	984	983	982	982	982	982	982	982	983	981	983	982	982	981	982	983	981	982	983	984	982	982	982	981	982	983				
Total ST-Coal		109371077310778105931072610661106531039010472103841025310370104691064110625105151053910647107201091911044111191071810746108781103011170112691127211308113771136811392113981137811357113841138911384113721140311394114121140111394113811132511279																																																		
Total ST-Oil		00																																																		

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
CEND	HY01	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	9	9	9	9	9
CEND	HY02	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	9	10	10
CEND	HY03	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	9	9	9	9
CEND	HY04	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
HTRG	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	64	64	64	63	63	63	63	63	110	110
HTRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	63	63	63	63	63	63	63	110	110	110
KNRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	36	36	36	36	36	36	36	36	36
KNRG	HY02	21	21	21	21	21	21	21	21	21	21	21	21	21	21	37	37	37	37	37	37	37	37	37	37
KNRG	HY03	21	21	22	22	22	21	21	22	21	23	36	36	36	36	36	36	36	36	36	36	36	36	36	36
KNYR	HY01	51	93	99	98	96	96	0	0	0	0	100	100	100	96	96	99	99	99	95	97	97	100	99	99
KNYR	HY02	52	94	99	98	96	98	97	97	58	-1	-1	-1	-1	-1	100	100	100	99	95	97	97	100	99	99
KNYR	HY03	51	54	100	99	97	99	97	97	58	-1	-1	-1	-1	-1	101	100	101	96	96	101	100	97	97	99
KNYR	HY04	52	54	97	97	97	97	97	97	58	53	58	59	59	60	60	55	60	101	101	101	97	97	99	100
LPIA	HY01	16	16	16	16	16	15	15	15	15	15	15	15	15	16	16	17	17	17	17	17	15	14	14	15
LPIA	HY02	16	16	16	16	16	15	15	15	15	15	15	15	15	16	16	16	17	17	17	17	15	15	15	15
MNOR	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	1	1	1	6	6	6
PGAU	HY01	-1	-1	-1	18	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	19	19	19	19	19	16	-1
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0	21	20	20	0	0	0
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	31	0	0	0	0
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	31	0	0	0	0
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	25	17	0	0	0
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	17	0	0	0	0	0
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	17	0	0	0	0	0
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	17	10	0	0	0	0
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	84	84	84	84	84	84	84	84	84	84
TMGR	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	89	88	89	88	88	88	88	88	88	88
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	84	84	84	84	84	84	84	84	84	84
TMGR	HY04	32	33	34	34	34	32	34	33	33	34	34	34	31	34	85	85	81	79	81	81	80	78	77	77
UJLI	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
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	89	89	91	93	93	89	-1
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	5
UPIA	HY02	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	5	5	6
Total Hydro		392	482	585	600	575	580	572	573	337	215	220	243	222	223	224	214	226	999	1125	1122	1142	1106	1644	1546
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	0	0	1	3	7	11	15	18	19	23	24	26
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	6	6	6	6	6	21	30	30
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	11	18	24	28	34	35	23	45	36
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	12	19	25	30	34	36	37	38
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	8	13	17	21	12	15	29	30
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	10	16	23	27	34	31	45	47
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	13	19	26	33	32	38	44	39
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	9	16	22	27	32	35	38	42	39
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	1	6	13	20	26	31	34	43	30	47
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	13	22	30	38	44	49	26	28
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	9	13	22	26	27	34	37	39

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 LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	8	48	111	173	236	286	310	349	360	420	448	417	367	333	346	328	249	200	120	109	74	42	23	6	0	0	0	0	0	0	0	0	0		
PCUF	CUFG	4	3	4	3	3	3	5	4	5	4	4	2	4	3	3	4	3	3	4	3	3	4	3	4	3	4	3	3	4	3	4	3	3	3	3	3	3	4	4	3	3	3	3	4	4	5		
PCUF	CUFK	3	4	5	4	4	5	4	5	5	6	4	3	4	3	2	3	4	2	3	2	5	5	5	3	5	4	3	3	4	3	3	4	3	3	4	4	2	4	4	4	5	5	3	3	4	3	4	3
Total Co-Gen		7	7	9	7	7	8	9	9	10	10	8	5	8	6	5	7	8	6	7	5	8	8	9	6	8	8	7	7	7	6	7	7	7	6	8	7	5	7	7	8	9	8	6	6	7	7	8	8
Total Gen		15322	14872	14535	14305	13959	13795	13603	13385	13250	13018	13017	13052	13237	13409	13278	13111	13601	14784	15507	16055	16485	16771	16915	17145	17005	16817	16837	17060	17467	17793	17806	17899	17875	17830	17344	16683	16079	15823	15855	16654	16827	16850	16795	16594	16352	16204	15846	15597
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	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	-28	-28	-30	-30	-30	-29	-29	-29	-29	-29	-28	-29	-29	-29	-29	-29	-29	-29	-29	-31	-28	-28	-29	-28	-28	-31	-29	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-29	-28	-29	
TIE-PLTG		-67	-45	-71	-44	-33	-28	-36	-49	-40	-63	-32	-11	-62	-5	20	6	-103	0	-27	12	11	-9	-27	6	-14	22	8	-30	-65	-101	-63	-44	-9	-44	-38	-19	-23	-22	-3	-9	-81	-45	-44	-84	-41	-55	-55	-59
Interconnection		-96	-74	-100	-73	-61	-58	-66	-79	-70	-92	-60	-40	-91	-34	-9	-22	-131	-29	-56	-16	-17	-38	-56	-22	-43	-7	-22	-58	-93	-130	-91	-72	-39	-73	-66	-48	-52	-51	-31	-38	-110	-74	-72	-113	-69	-83	-83	-88
System Total		15425	14953	14642	14385	14027	13860	13676	13471	13327	13117	13084	13099	13335	13450	13294	13140	13739	14820	15570	16078	16509	16816	16978	17174	17055	16831	16866	17125	17567	17930	17904	17978	17921	17910	17417	16738	16138	15881	15893	16699	16944	16931	16874	16714	16428	16294	15936	15692
SRev ST-Coal		148	312	357	535	455	578	479	640	539	609	640	625	635	495	509	675	643	508	421	186	181	156	167	139	117	155	165	166	163	177	148	157	183	177	197	218	191	186	191	203	172	181	163	174	181	194	250	296
SRev CCGT-Gas		858	939	810	868	1322	1427	1604	1700	1682	1704	1577	1679	1575	1574	1689	1746	1333	1092	862	471	368	331	430	497	627	753	845	675	313	227	263	162	162	128	544	891	1238	1319	1217	500	546	346	418	629	433	339	456	563
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	
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	
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	
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	
Syncon		977	977	977	826	977	977	977	977	977	1179	1179	1028	1179	1179	1179	1179	802	676	676	525	676	338	338	525	676	676	676	676	338	338	338	338	338	338	338	651	802	802	651	676	489	676	676	676	489	489	676	676
Hydro		351	261	158	294	168	163	171	170	258	178	173	301	171	170	169	179	167	46	171	174	455	190	340	438	380	196	192	188	362	608	611	531	530	534	575	419	294	167	295	171	271	251	250	129	225	314	226	136
S.Reserve Total		2334	2489	2302	2523	2922	3145	3231	3487	3456	3670	3569	3633	3560	3418	3546	3779	3322	2448	2130	1507	1529	1353	1275	1412	1649	1780	1878	1705	1514	1350	1360	1188	1213	1177	1654	2179	2525	2474	2354	1550	1478	1454	1507	1608	1328	1336	1608	1671