

Daily System Generation Summary on Monday

Monday, November 2, 2020

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	1,912 MW
Distillate	0 MW
Total TNB	1,912 MW
Total IPP	18,233 MW
Total Co-Gen	0 MW
Total System	22,391 MW

Generation Mix

Type	MWh	Percentage
Hydro	10,107	2.84 %
Gas	29,893	8.40 %
Total TNB	40,000	11.24 %
ST-Coal	264,177	74.24 %
ST-Gas	1,413	0.40 %
LSS	2,405	0.68 %
Gas	49,301	13.85 %
Total IPP	317,296	89.17 %
Co-Gen	154	0.04 %
Total Co-Gen	154	0.04 %
Total Generation	357,450	100.45 %
PLTG	971	0.27 %
HVDC	637	0.18 %
Interconnection	1,608	0.45 %
Net Energy	355,842	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	18,424 MW
TNB Generation	2,621 MW
IPP Generation	14,576 MW
Spinning Reserve	1,225 MW
Maximum Demand	17,111 MW
Net Energy	355,842 MWH
Load Factor	86.65 %

Fuel Cost

Total Cost:	43,077,176.62 RM
Cost per Unit	12.05 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	236
Hydro	386
Syncon	628
Thermal	273
Total	1,523

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	42
TJGS	167
Total TNB	209
NPRI	152
PLPS	23
SGB3	61
PKLG	14
Total IPP	250
Total Gas	459
Total Gas Required	459

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	13960	13244	12791	12319	12152	11950	12230	12315	13069	14943	15799	16495	16571	16360	16809	16988	16898	16412	15398	15893	16307	15926	15485	15017

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, December 1, 2020 9:47:34 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Monday

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	693	693	693	690	650	604	600	551	502	452	451	452	502	605	584	504	626	690	704	693	693	693	692	692	693	700	692	695	692	694	692	691	691	693	693	687	693	692	694	692	692	691	702	694	692	690	694	
JMAH	U002	693	694	694	692	651	602	603	553	500	452	452	452	504	611	563	502	601	695	693	697	692	693	693	696	693	695	697	692	696	694	693	696	693	695	692	697	698	694	693	696	694	694	695	695	694	695	688	710
JMHE	U001	898	851	778	780	780	782	779	779	781	783	776	781	781	781	778	784	827	982	981	975	974	981	982	978	983	980	977	979	978	977	977	978	980	978	980	974	977	980	982	977	988	981	974	981	978	975	977	946
JMHE	U002	900	852	779	779	781	782	777	780	780	784	778	780	781	780	778	783	824	983	981	978	976	980	981	978	981	980	979	978	979	978	976	979	981	979	978	977	975	981	983	980	983	982	974	980	979	976	975	946
JMJG	U001	668	670	667	662	598	543	547	505	499	508	508	503	510	507	506	512	531	587	658	672	668	668	668	666	651	642	650	642	640	645	645	665	694	668	663	673	668	666	664	668	668	666	662	663	666	666	663	668
JMJG	U002	671	668	677	674	612	540	543	505	517	474	459	458	499	502	498	500	526	593	654	676	665	668	668	675	673	671	671	676	663	686	666	684	667	676	671	669	671	671	660	666	666	667	665	673	662	668	679	664
JMJG	U003	669	670	662	665	644	541	547	519	512	489	453	456	493	500	495	501	525	612	660	673	662	663	679	669	663	670	671	663	674	659	667	670	667	671	668	662	670	670	666	672	667	670	668	671	668	673	668	669
JMJG	U004	900	844	810	780	752	722	710	709	710	710	709	710	707	709	708	712	711	710	708	709	741	801	862	916	930	931	958	972	973	968	968	968	971	969	968	966	970	968	969	972	969	969	970	969	967	967	939	908
JMJG	U005	749	752	700	701	700	700	701	696	700	702	701	701	704	701	697	703	700	702	702	700	737	804	803	801	801	811	797	807	805	806	799	796	803	803	799	797	801	787	804	801	800	800	801	801	803	797	744	748
PKLG	U003	279	281	279	279	282	280	279	277	274	279	279	279	282	281	282	282	282	282	280	280	281	281	281	280	281	278	282	284	281	282	282	281	281	283	279	279	279	279	278	277	277	278	275	277	276	275	276	275
PKLG	U004	205	199	200	201	201	196	196	200	199	200	202	203	201	200	201	205	205	205	205	203	208	202	201	202	201	199	198	201	197	196	204	200	205	202	228	198	236	270	277	274	278	267	275	275	271	276	273	273
PKLG	U005	468	470	477	465	466	468	470	468	468	469	468	465	468	470	467	467	468	467	468	469	466	467	466	466	465	467	468	467	463	467	466	467	466	467	467	474	465	466	471	469	468	467	467	469	467	466	467	467
PKLG	U006	449	449	448	447	449	447	358	359	359	397	442	438	360	360	423	452	449	447	448	449	448	449	449	452	451	447	448	449	447	447	449	448	447	449	448	449	446	449	448	449	448	446	448	448	447	448	449	448
TBIN	U001	689	691	689	687	690	691	690	691	689	692	688	691	690	690	687	690	690	687	688	690	690	691	691	690	690	691	690	689	690	690	690	690	691	688	689	692	689	690	690	688	697	691	691	692	690	688	689	693
TBIN	U002	691	691	687	688	694	688	690	693	690	690	691	687	691	679	668	693	690	691	695	691	691	690	693	688	692	691	690	692	691	689	692	690	689	688	689	692	689	689	695	691	689	692	693	691	694	690	690	692
TBIN	U003	687	692	687	686	692	692	690	688	690	691	690	694	689	691	689	693	690	692	691	690	689	690	693	690	691	689	691	689	688	691	692	689	691	691	689	688	691	692	689	690	689	691	694	689	690	690	692	
TBIN	U004	902	854	817	783	783	782	780	783	782	782	783	782	783	784	783	782	805	892	978	982	983	983	982	982	981	982	983	982	981	984	983	983	982	982	981	982	983	982	983	983	984	982	983	982	982	980	983	975
Total ST-Coal		11211	11021	10744	10659	10425	10060	9960	9756	9652	9554	9530	9532	9645	9851	9807	9765	10150	10921	11193	11225	11264	11403	11484	11522	11520	11523	11543	11558	11537	11553	11541	11575	11599	11582	11582	11560	11595	11627	11644	11647	11657	11635	11626	11658	11632	11625	11540	11470
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	
PKLG	U002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	16	29	58	101	146	144	199	224	254	273	240	201	199	199	199	199	199	193	136	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	15	16	29	58	101	146	144	199	224	254	273	240	201	199	199	199	199	199	193	136	0	0	0	0	0	0	0	0	0	0
GLGR	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	33	50	89	100	86	84	73	67	95	100	100	100	100	100	99	100	100	66	67	68	69	102	101	98	67	66	68	67	67	68	
GLGR	GT02	109	109	108	109	95	96	95	95	95	96	96	96	96	95	95	96	95	95	95	90	100	85	85	73	67	95	100	100	100	100	101	100	101	101	67	67	67	68	101	101	97	67	68	68	68	67	68	
GLGR	ST1C	46	46	46	46	40	39	40	40	40	40	40	40	40	40	40	40	39	39	41	39	93	83	83	80	73	85	91	91	92	91	91	91	91	91	77	72	73	72	91	91	91	73	72	72	72	72	72	
NPRI	BLK1	499	514	514	498	501	519	503	513	517	514	500	516	515	514	494	512	520	463	509	482	504	518	517	511	511	511	496	508	511	511	503	511	510	509	502	503	475	398	509	507	503	514	507	498	515	501	499	505
NPRI	BLK2	498	514	515	498	501	517	502	514	517	516	501	516	515	513	494	513	520	456	511	482	513	512	518	511	511	509	496	508	511	511	503	511	509	509	502	502	464	398	524	506	504	516	509	498	514	503	498	505
PCGP	PGRG	580	601	602	581	585	605	584	600	603	601	582	602	602	597	575	599	606	567	600	563	596	603	611	601	601	603	582	598	602	603	593	603	602	600	592	592	588	601	615	591	582	601	593	580	601	585	580	587
PLPS	GT11	0	0	0	0	0	0	0	0	0	0	0	0	17	45	44	44	44	45	45	149	144	129	128	129	129	129	129	129	129	129	129	143	143	144	129	129	129	145	145	146	146	129	129	129	129	129	129	
PLPS	ST18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	48	56	54	56	55	57	56	57	57	57	56	60	58	58	58	58	57	56	56	58	58	59	55	57	56	56	57		
SGB3	GT31	0	0	0	0	0	0	0	0	0	28	27	27	27	63	94	145	139	142	142	142	139	145	148	148	145	145	146	146	146	146	141	141	141	105	105	111	114	117	131	130	132	128	108	110	106	107	0	
SGB3	GT32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	144	144	150	150	149	149	150	150	149	149	149	149	147																	

Daily MW Generation on Monday

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	HY03	9	9	9	9	9	9	9	9	9	9	9	9	10	9	9	10	10	10	10	10	10	10	10	10	
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	
KNRG	HY03	22	24	23	22	23	24	23	23	24	23	24	23	37	37	37	37	37	37	21	22	21	22	24	23	
KNYR	HY01	60	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	59	65	99	99	99	99	58	56	-1	-1	58	57	
KNYR	HY02	61	62	55	56	54	62	58	58	63	56	56	60	60	56	59	68	51	55	53	61	65	85	74	60	
KNYR	HY03	49	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	28	99	99	99	-1	-1	50	95	95	95	95	95	
LPIA	HY01	18	18	18	18	18	18	18	18	18	18	18	18	20	20	20	21	21	21	21	21	21	21	21	21	
LPIA	HY02	18	18	18	18	18	18	18	18	18	18	18	18	20	20	20	20	20	20	20	20	21	21	21	21	
MNOR	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	6	6	6	6	4	4	4	
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	18	19	19	
PGAU	HY02	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	12	21	-1	-1	
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	20	20	-1	-1	-1	-1	-1	-1	
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	20	20	20	0	0	0	0	
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	31	31	31	31	31	31	31	
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	31	0	0	0	0	0	0	
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	50	50	50	31	0	
SYPS	HY01	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	0	0	17	25	25	25	25	25	17	
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	17	17	17	17	25	25	0	
SYPS	HY03	0	0	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	17	
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	33	33	33	33	34	83	84	-1	
TMGR	HY02	41	44	44	40	42	46	42	45	46	44	42	45	46	40	44	49	37	45	37	44	46	63	58	44	
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	32	32	29	32	32	82	81	
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	33	33	33	-1	-1	31	31	83	82	31	-1	
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	93	85	-1	-1	-1	-1	-1	
UJLI	HY02	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
UPIA	HY01	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
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		340	235	227	239	224	237	228	254	239	228	227	252	257	235	225	235	252	245	257	231	301	385	594	761	
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	2	3	8	12	16	17	13	15	22	21	25	
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	8	7	7	7	8	8	11	12	12	
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	11	16	13	16	17	15	19	24	25	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	8	14	24	32	38	40	42	23	30	
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	9	25	19	36	44	20	15	42	15	
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	11	8	20	22	24	27	21	10	20	
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	8	12	19	28	27	22	22	39	34	
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	13	20	25	31	42	23	25	15	34	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	8	15	26	22	21	20	25	25	25	34	
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	7	21	23	18	22	14	26	24	
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	11	22	30	35	40	29	37	49	44	
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	13	18	25	30	45	35	49	32	31	
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	5	7	17	22	22	27	25	31	32	
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	17	49	107	175	258	309	358	310	320	326	355	
PCUF	CUFG	3	3	5	2	4	4	2	3	4	3	3	5	5	4	4	3	4	2	1	0	0	1	1	1	0
PCUF	CUFK	3	4	2	2	2	4	2	2	4	4	2	4	3	4	3	3	3	2	2	3	4	2	2	2	4
Total Co-Gen		6	7	7	4	6	8	4	5	8	7	5	9	8	8	7	6	7	7	3	2	3	4	5	2	5
Total Gen		13983	13559	13276	13153	12894	12596	12429	12293	12188	12072	12025	12104	12238	12440	12380	12505	13113	14320	14981	15552	15863	16302	16545	16768	16636

Daily MW Generation on Monday

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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