

Daily System Generation Summary on Monday

Monday, May 17, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,372 MW
Distillate	0 MW
Total TNB	2,372 MW
Total IPP	16,769 MW
Total Co-Gen	0 MW
Total System	22,692 MW

Generation Mix

Type	MWh	Percentage
Hydro	16,319	4.54 %
Gas	48,350	13.46 %
Total TNB	64,669	18.01 %
ST-Coal	218,782	60.92 %
LSS	2,547	0.71 %
Gas	73,069	20.35 %
Total IPP	294,398	81.98 %
Co-Gen	163	0.05 %
Total Co-Gen	163	0.05 %
Total Generation	359,230	100.03 %
PLTG	-613	-0.17 %
HVDC	716	0.20 %
Interconnection	103	0.03 %
Net Energy	359,127	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:	15:00:00 Hour
Total Set On Bus	17,904 MW
TNB Generation	3,290 MW
IPP Generation	13,450 MW
Spinning Reserve	1,156 MW
Maximum Demand	16,747 MW
Net Energy	359,127 MWH
Load Factor	89.35 %

Fuel Cost

Total Cost:	50,535,991.34 RM
Cost per Unit	14.06 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	257
Hydro	419
Syncon	355
Thermal	171
Total	1,202

Time Weather Temperature

Afternoon	Rainy	31
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	50
TJGS	175
Total TNB	226
CBPS	55
NPRI	154
PGLA	10
PLPS	61
Total IPP	280
Total Gas	505
Total Gas Required	505

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	14568	13805	13353	12825	12522	12418	12436	12490	13224	15005	15874	16457	16325	16094	16545	16747	16657	16351	15479	15514	16516	16353	15786	15433

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, June 4, 2021 9:55:18 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	690	692	694	672	642	603	603	429	351	353	351	351	352	350	351	399	652	695	693	697	695	695	694	693	696	695	695	696	694	694	696	694	695	695	695	694	694	706	692	693	692	693	692				
JMAH	U002	0	0	0	0	0	0	0	0	0	0	83	196	214	214	215	213	287	362	352	530	635	635	605	605	671	696	696	693	695	692	699	694	695	693	692	689	696	696	697	697	696	695	696	697	695	695	696	
JMHE	U001	979	981	918	901	899	898	780	781	781	781	782	776	784	777	779	783	779	896	928	973	981	982	981	982	977	980	977	980	984	982	983	978	980	975	975	977	979	978	984	984	980	981	979	974	982	980	981	983
JMHE	U002	982	980	913	902	901	899	784	779	782	781	783	782	783	780	778	780	778	903	926	982	980	980	979	982	977	979	978	982	982	980	980	982	979	974	977	980	979	980	983	984	979	981	980	975	981	980	982	981
JMJG	U001	666	668	666	668	641	651	551	535	627	662	666	670	667	665	679	666	663	667	666	666	672	664	667	667	667	672	667	665	668	668	666	635	614	598	596	601	596	596	598	596	596	601	593	628	678	673	662	668
JMJG	U002	677	673	671	675	670	673	672	670	673	673	672	672	672	671	670	673	668	672	671	673	671	676	677	673	668	672	672	673	673	678	673	669	673	672	675	673	672	675	674	673	670	673	668	687	667	672	673	674
JMJG	U003	668	672	668	667	667	666	666	671	667	593	590	594	597	597	582	637	591	594	593	596	590	545	542	545	547	546	551	543	542	543	544	546	544	541	545	545	544	545	546	544	546	547	543	596	682	668	667	672
JMJG	U005	890	887	889	890	892	892	888	842	782	777	779	780	785	780	783	777	782	831	884	881	878	883	884	892	888	890	890	889	891	888	892	888	890	890	892	891	886	882	890	892	888	889	889	887	888	890	891	892
PKLG	U004	275	271	277	190	155	152	152	154	154	155	155	156	151	155	154	155	258	273	276	270	276	275	273	278	278	273	274	276	269	276	274	275	275	274	274	281	278	277	274	278	275	274	277	270	276	277		
PKLG	U006	449	449	449	411	332	267	269	273	267	271	267	270	270	267	270	269	271	355	423	446	449	449	449	449	449	449	446	448	449	449	449	449	449	450	449	449	449	449	446	449	449	448	448	449	448	446	448	448
TBIN	U001	691	689	692	689	691	689	690	685	691	597	600	549	550	500	500	499	555	686	691	689	690	693	689	689	690	691	690	691	688	690	692	687	686	689	689	686	689	690	690	691	690	689	689	687	690	687	690	685
TBIN	U002	0	0	0	0	0	0	0	0	0	146	263	389	570	708	691	694	697	688	696	694	692	695	692	694	696	693	694	693	692	695	699	690	692	689	690	694	692	694	690	694	694	694	694	692	697	691	693	692
TBIN	U003	693	691	690	690	694	690	690	690	691	602	605	552	552	504	505	504	563	601	694	688	692	688	696	695	691	690	688	690	689	687	691	689	690	689	689	689	690	689	688	691	689	689	689	690	692	689	685	
TBIN	U004	982	982	923	902	890	799	783	783	782	783	783	784	783	782	783	783	783	815	907	984	983	984	983	985	984	984	983	983	982	982	984	983	982	983	983	983	983	982	983	983	984	983	983	983	982	984	982	
Total ST-Coal		8645	8633	8448	8279	8104	7918	7528	7466	7326	7172	7298	7408	7711	7752	7738	7786	7896	8905	9409	9593	9775	9845	9844	9825	9810	9891	9900	9902	9905	9900	9918	9865	9841	9815	9824	9828	9814	9832	9841	9847	9831	9844	9831	9909	10053	10018	10024	10027
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	362	365	362	362	359	363	362	362	360	362	362	362	362	360	362	362	367	363	362	363	363	361	362	362	354	358	354	359	355	355	354	366	362	362	362	357	352	361	364	368	361	362	357	357	354	357	357	358
EMPP	BLK1	749	740	741	740	734	741	748	749	734	740	740	745	730	735	736	745	754	744	751	747	743	747	733	731	720	723	719	744	730	731	722	735	716	732	718	707	703	715	734	738	739	740	730	724	728	731	733	732
GLGR	GT01	68	67	67	68	68	67	67	68	68	67	68	69	68	68	67	67	68	67	68	68	101	101	100	100	99	68	67	67	67	101	100	100	86	100	98	99	100	76	68	69	94	102	100	100	68	67	68	67
GLGR	GT02	68	67	68	68	68	68	69	68	68	68	68	68	68	67	68	68	68	67	101	99	100	100	100	100	67	67	67	101	100	100	86	100	100	101	100	76	67	68	95	100	101	100	67	67	68	68		
GLGR	ST1C	73	73	73	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	89	91	91	91	91	77	72	89	91	91	91	85	91	91	90	91	82	72	85	91	91	91	91	91	91	74	72	72	
NPRI	BLK1	515	515	514	514	515	515	515	515	512	515	471	320	317	336	337	318	521	513	514	516	514	515	514	512	504	507	503	515	509	509	506	516	509	515	510	502	501	509	518	526	514	515	508	503	509	512	473	513
NPRI	BLK2	527	527	527	500	480	463	488	527	475	527	396	377	339	443	468	505	530	468	517	519	517	518	519	515	491	502	488	520	511	508	494	515	512	524	520	489	480	491	513	523	522	523	516	497	506	502	362	424
PCGP	PGRG	603	600	602	604	601	601	603	602	600	601	603	601	598	597	598	596	609	599	602	603	602	603	602	599	587	592	586	604	595	595	590	601	596	604	598	588	581	593	607	618	602	602	594	588	592	603	598	595
PGLA	GT12	13	0	13	0	0	0	0	0	0	0	0	33	0	0	0	0	18	73	83	73	43	63	63	63	63	118	117	117	118	117	118	132	228	0	0	0	0	0	0	0	0	0	0	80	133	224	0	
PGLA	ST10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	73	77	113	0	0	0	0	0	0	0	0	0	0	62	93	0	
PLPS	GT11	128	129	129	129	129	129	129	129	129	129	129	129	128	129	129	132	129	129	129	137	139	143	140	138	112	111	115	135	135	134	137	138	137	138	133	133	134	119	137	135	135	130	127	109	127	129	129	
PLPS	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	75	141	139	138	135	130	116	22	0	0	
PLPS	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	55	55	54	56	57	56	56	56	55	57	56	56	56	56	56	56	58	57	56	56	59	93	143	142	142	131	131	133	141	141	141	143	142	144	142	139	141	140	144	212	209	209	209	208	185	103	58	58
SPGP	BLK2	719	720	717	719	719	719	718	717	721	717	719	718	719	719	720	718	718	7																														

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
HTRG	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	64	-1	-1	-1	-1	-1	-1
HTRG	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	95	62	-1	-1	-1	-1	-1
KNRG	HY01	36	36	36	36	36	36	36	36	36	36	36	26	26	26	26	25	0	0	36	36	36	0	23	36
KNRG	HY02	38	37	37	37	37	37	37	37	37	37	37	26	26	26	26	25	0	0	37	37	37	0	25	37
KNRG	HY03	36	36	36	36	36	36	36	36	36	36	36	24	25	24	25	25	24	38	37	37	38	38	36	36
KNYR	HY01	100	100	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	101	67	100	64	62	61	-1
KNYR	HY02	72	76	98	100	99	99	99	100	99	98	97	58	59	59	60	103	59	66	77	66	101	60	59	59
KNYR	HY03	99	99	99	99	99	99	100	99	99	98	98	53	-1	-1	-1	-1	-1	62	60	99	99	98	55	55
KNYR	HY04	100	100	100	100	100	100	102	100	100	99	99	99	52	0	0	0	0	0	101	101	100	57	57	59
LPIA	HY01	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
LPIA	HY02	20	20	20	20	20	20	20	19	19	19	19	19	19	19	19	19	19	20	20	20	20	18	18	18
MNOR	HY01	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	3	3	5	5	5	5	5	5
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	18	-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	21	20	20	20
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	20	20	20
SIHY	HY01	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48	48	48	48	48	48	48
SIHY	HY02	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	31	31	31	31	31	31	50	50
SIHY	HY03	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	31	31	31	31	31	31	50	50
SYPS	HY01	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	25	25	25	25
SYPS	HY02	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	25	25	25	25
SYPS	HY03	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	25	25	25	25
SYPS	HY04	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	25	25	25	25
TMGR	HY01	84	82	42	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	31	31	30	-1	-1	-1	31
TMGR	HY02	87	84	44	45	44	44	45	43	44	43	43	45	44	44	45	86	43	49	65	50	88	46	44	42
TMGR	HY03	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY04	51	56	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	31	31	31	31	29	32	31	33	32
UPIA	HY01	5	6	6	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5
UPIA	HY02	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Total Hydro		1043	856	642	601	598	598	662	567	566	541	540	540	411	324	303	273	358	270	283	407	506	577	663	694
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	2	5	8	12	7	17	11	19	29	4	2	2
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	7	11	16	20	25	28	30	13	30	29	30
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	4	8	7	17	21	24	28	28	12	30	14	26
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	6	3	1	2	4	7	10	15	18	20
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	4	7	9	23	32	25	28	36	34	27	42
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	5	7	13	17	23	22	16	25	20	12	22
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	4	10	16	22	25	30	36	34	41	38	33
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1	1	1	2	3	3	11
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	9	16	24	27	30	34	34	35	12	46
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	9	13	19	25	26	28	23	2	5	0
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	3	9	16	21	28	16	29	9	35	32	34
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	4	6	7	8	17	29	41	52	52
SSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	10	14	21	20	23	40	40	41	44	9
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	9	13	4	6	8	8	9	13	17	17	23
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	5	7	20	21	25	13	25	10	21	30	18
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	14	50	102	160	220	274	264	345	333	327	352	350
PCUF	CUFG	2	3	3	3	4	3	4	4	3	4	4	3	4	2	3	3	4	3	3	2	4	3	3	2

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	
PCUF	CUFK	3	3	3	4	3	4	4	3	4	5	4	4	1	4	4	3	4	4	4	4	2	2	5	4	4	3	3	2	3	3	4	4	3	4	3	3	4	4	3	4	3	3	3	3	4	3		
Total Co-Gen		5	6	6	7	7	7	8	7	7	9	8	8	4	8	7	6	8	8	7	8	4	5	8	8	7	6	7	5	6	5	8	7	7	7	7	6	7	6	8	8	7	8	5	6	7	7	9	6
Total Gen		14567	14209	13801	13556	13343	13150	12850	12745	12520	12409	12362	12335	12412	12490	12491	12541	13195	14426	15010	15530	15912	16170	16445	16422	16345	16154	16118	16309	16528	16688	16748	16719	16725	16640	16367	15845	15525	15314	15503	16272	16513	16497	16328	16118	15797	15665	15418	15266
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	0	
TIE-HVDC		30	30	30	30	29	29	29	29	30	30	30	30	30	30	29	29	30	30	30	30	30	31	31	30	30	30	29	29	29	29	30	29	31	29	30	31	29	29	32	32	30	31	30	30	31	29	-40	
TIE-PLTG		-24	-19	-27	-28	-33	7	3	-32	-24	-56	-80	-16	-47	-18	-20	-36	-52	6	-17	-33	15	-54	-35	-34	-3	-15	1	-90	-38	-31	-21	-38	45	-19	-8	28	24	-27	-33	-80	-28	-46	-48	-20	-12	-33	-39	-40
Interconnection		6	12	3	2	-3	36	32	-2	5	-26	-49	14	-17	12	8	-8	-22	36	12	-3	45	-24	-5	-3	27	16	31	-61	-10	-2	8	-10	75	10	23	57	53	4	-4	-51	4	-14	-18	11	18	-3	-8	-11
System Total		14568	14204	13805	13561	13353	13121	12825	12754	12522	12442	12418	12328	12436	12485	12490	12556	13224	14397	15005	15540	15874	16201	16457	16432	16325	16145	16094	16377	16545	16697	16747	16736	16657	16637	16351	15795	15479	15317	15514	16330	16516	16518	16353	16114	15786	15675	15433	15284
SRev ST-Coal		144	156	341	445	484	491	507	569	585	738	743	726	718	725	737	733	784	678	390	206	254	189	192	209	174	158	150	147	144	149	131	184	138	144	135	132	146	128	119	113	129	116	129	126	128	171	165	162
SRev CCGT-Gas		651	742	778	788	816	830	813	760	829	769	941	1132	1159	1045	1010	998	606	392	399	311	262	305	236	257	311	381	417	318	223	231	259	217	184	130	153	234	320	359	396	112	154	153	194	281	631	557	684	579
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
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
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
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
Syncon		403	403	591	678	678	678	577	678	678	678	678	678	678	628	779	779	779	779	779	692	490	490	403	403	252	591	591	591	403	403	252	252	252	0	126	252	504	605	605	403	252	252	252	403	403	504	692	591
Hydro		249	186	126	80	83	83	120	114	115	92	93	93	222	259	129	159	74	162	149	212	315	244	345	364	504	315	319	224	365	381	515	352	587	559	637	552	324	299	215	455	457	489	590	486	410	318	169	212
S.Reserve Total		1447	1487	1836	1991	2061	2082	2017	2121	2207	2277	2455	2629	2777	2657	2655	2669	2243	2011	1717	1421	1321	1228	1176	1233	1241	1445	1477	1280	1135	1164	1157	1005	1161	833	1051	1170	1294	1391	1335	1083	992	1010	1165	1296	1572	1550	1710	1544