

Daily System Generation Summary on Monday

Monday, April 12, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,167 MW
Distillate	0 MW
Total TNB	2,167 MW
Total IPP	16,474 MW
Total Co-Gen	0 MW
Total System	22,620 MW

Generation Mix

Type	MWh	Percentage
Hydro	19,818	5.27 %
Gas	66,594	17.69 %
Total TNB	86,412	22.96 %
ST-Coal	231,499	61.51 %
LSS	2,983	0.79 %
Gas	54,742	14.54 %
Total IPP	289,224	76.84 %
Co-Gen	156	0.04 %
Total Co-Gen	156	0.04 %
Total Generation	375,792	99.84 %
PLTG	17	0.00 %
HVDC	-605	-0.16 %
Interconnection	-588	-0.16 %
Net Energy	376,380	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:	16:30:00 Hour
Total Set On Bus	18,768 MW
TNB Generation	5,391 MW
IPP Generation	12,888 MW
Spinning Reserve	484 MW
Maximum Demand	18,310 MW
Net Energy	376,380 MWH
Load Factor	85.65 %

Fuel Cost

Total Cost:	57,258,585.51 RM
Cost per Unit	15.23 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	266
Hydro	535
Syncon	198
Thermal	144
Total	1,143

Time Weather Temperature

Afternoon	Hot	33
Morning	Cloudy	26

Gas Usage

Station	(mmcsfd)
GLGR	52
SRDG	9
TJGS	196
Total TNB	257
CBPS	49
NPRI	142
PLPS	84
YPKA	7
Total IPP	282
Total Gas	539
Total Gas Required	539

Alternate Fuel Usage

Station	(mmcsfd)
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	14877	14152	13553	13114	12886	12769	12953	13096	13823	15554	16444	17052	17008	16792	17461	18011	18245	17812	16512	16249	17314	17180	16706	16474

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, May 7, 2021 1:47:55 PM

(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	694	695	691	691	691	694	693	639	643	641	692	695	691	693	693	692	694	692	692	691	695	692	691	695	692	693	689	692	691	691	690	693	692	688														
JMAH	U002	698	697	699	696	696	695	696	695	646	644	645	697	696	696	694	695	694	697	702	700	695	696	696	694	695	698	697	694	695	694	695	696	694															
JMHE	U001	980	974	898	899	901	870	850	850	850	850	852	850	849	852	849	857	898	986	980	982	979	979	977	978	978	978	980	975	977	981	978	980	978	981														
JMHE	U002	980	974	978	921	901	871	851	849	850	851	851	852	849	853	851	850	854	902	988	982	980	982	979	977	977	978	981	979	980	976	979	984	983	979														
JMJG	U001	671	671	671	666	671	668	668	668	671	672	677	673	668	657	672	675	652	660	628	629	650	646	645	647	645	646	644	596	596	602	607	600	596	599														
JMJG	U003	674	670	669	671	671	669	682	660	673	671	665	667	672	673	677	655	672	669	653	649	650	645	648	640	667	671	645	648	643	590	662	667	672	682	681													
JMJG	U004	892	892	892	892	876	854	854	853	853	854	854	853	854	854	853	852	854	900	903	902	900	900	900	894	853	854	854	853	853	853	852	854	854	854	853	853												
JMJG	U005	892	892	891	896	863	851	853	850	850	849	854	852	852	854	850	853	854	889	894	890	892	892	888	889	892	888	890	891	889	891	889	892	890	892	891	891												
PKLG	U003	278	277	277	278	275	279	276	274	277	273	278	276	276	275	277	275	277	278	278	277	277	279	277	275	278	278	277	278	275	270	272	273	273	274	271	274	275											
PKLG	U004	277	273	276	276	275	276	277	276	277	279	278	276	278	275	275	268	275	277	275	274	279	275	276	276	268	269	274	276	273	268	275	275	276	278	280	275	274											
PKLG	U006	445	448	448	446	446	449	448	449	448	450	446	449	449	448	448	445	449	454	447	448	449	449	448	447	448	449	446	449	445	449	450	448	449	446	450	449												
TBIN	U001	689	690	689	690	691	689	689	690	690	689	688	691	687	689	690	690	689	689	692	690	690	690	691	689	690	689	689	689	687	689	687	700	699	696	699	698	698											
TBIN	U002	690	693	691	687	691	689	691	692	693	693	692	692	695	693	695	691	693	694	693	691	697	692	694	693	692	688	691	694	693	692	692	692	702	703	704	702	703											
TBIN	U004	982	983	982	908	898	854	853	853	853	851	853	853	853	854	852	853	854	902	983	983	985	983	984	983	984	982	983	983	983	984	982	984	983	982	983	981	984											
Total ST-Coal		9842	9829	9752	9617	9546	9408	9381	9353	9374	9267	9273	9272	9372	9365	9379	9346	9369	9588	9813	9796	9821	9796	9797	9784	9757	9754	9744	9703	9692	9629	9713	9713	9758	9777	9776	9783	9809	9808	9719	9727	9754	9772	9780	9763	9765	9750	9744	9674
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	359	251	226	226	223	216	222	223	220	220	227	226	221	226	220	224	232	254	349	349	365	364	362	363	358	355	362	363	365	361	368	362	363	364	349	357	349	357	358	371	364	356	361	362	354	362	362	354
EMPP	BLK2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	81	181	186	278	720	732	739	746	284	286	285	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GLGR	GT01	67	65	67	68	68	68	67	68	68	68	68	69	68	67	69	69	68	68	87	85	83	101	100	99	99	100	100	100	100	101	100	99	100	100	100	100	99	100	100	100	100	101	100	101	93	85	86	84
GLGR	GT02	68	68	68	68	68	68	68	68	68	68	68	67	68	67	68	68	68	68	86	86	85	84	101	100	100	101	100	100	100	100	101	100	99	100	100	100	101	100	100	101	100	100	100	100	92	85	85	85
GLGR	ST1C	71	72	72	72	72	72	72	71	72	72	72	72	72	72	72	72	72	72	72	82	83	82	89	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
NPRI	BLK1	512	506	466	347	317	313	321	320	316	320	321	325	321	319	319	321	329	502	493	491	506	505	506	500	492	494	506	509	506	505	514	506	507	508	491	498	487	496	494	518	506	494	497	499	512	525	523	515
NPRI	BLK2	525	390	335	335	332	328	334	350	438	359	335	337	342	335	336	335	349	444	473	468	508	507	510	509	496	497	508	512	508	507	518	509	509	511	493	501	490	501	496	523	509	497	499	502	516	527	524	519
PCGP	PGRG	597	595	502	261	260	260	262	261	261	262	260	267	259	261	260	261	351	597	584	580	601	602	604	593	588	587	603	608	604	600	613	600	603	606	580	592	575	591	587	600	603	590	592	594	585	603	602	587
PLPS	GT11	134	135	133	133	133	127	133	134	133	134	133	133	133	133	133	133	136	129	125	129	135	133	134	130	130	128	134	135	133	135	137	134	134	134	130	130	130	130	129	138	135	131	129	132	112	117	129	124
PLPS	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	66	138	137	134	134	138	138	139	139	142	139	138	139	134	134	132	136	135	143	138	135	134	136	115	120	133	129	
PLPS	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45	99	136	142	130	130	128	126	126	131	131	131	131	132	134	131	131	126	126	125	126	126	135	136	126	128	109	114	126	122		
PLPS	ST18	57	58	57	59	57	58	58	58	58	57	58	57	58	58	59	121	142	148	210	211	211	209	208	211	211	210	211	212	209	208	210	207	210	208	207	210	208	207	208	209	208	209	202	200	208	205		
SPGP	BLK1	717	718	720	719	600	514	360	361	361	362	361	361	450	648	550	448	717	720	717	719	718	717	719	717	718	719	719	715	715	709	711	712	709	713	716	716	718	717	719	718	719	717	716	720	719	719	717	720
SPGP	BLK2	718	718	720	719	719	718	651	499	361	361	361	359	360	359	359	359	717	718	718	718	717	718	719	718	719	719	718	719	716	712	716	716	718	718	719	719	718	718	718	718	717	720	720	719	716	721		
TJGS	GT1A	131	134	132	134	136	126	136	135	131	139	129	128	131	128	136	132	134	135	196	222	222	223	228	227	226	216	225	225	225	221	226	222	223	223	222	230	214	224	221	227	223	217	221	226	220	226	226	195
TJGS	GT1B	118	121	122	121	125	124	125	124	125	125	123	126	125	127	126	126	124	126	188	212	216	214	218	217	214	213	214	217	219	216	213	214	217	213	206	215	208	215	211	218	214	214	212	220	208	218	215	185
TJGS	ST1C	190	167	167	167	167	167	167	167	167	167	167	167	167	167	167	167	170	209	235	243	243	243	243	244	244	244	244	244	244	244	244	248	244	243	246	246	246	246	246	243	243	240	243	243	215			
TJGS	GT2A	148	147	147	14																																												

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	HY02	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	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
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	-1	63	63	63	63	63	63	63	63	63
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
KNRG	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
KNRG	HY03	23	23	23	24	23	23	23	23	23	24	24	24	23	22	22	23	23	23	35	35	37	37	36	36
KNYR	HY01	71	72	65	82	64	63	66	65	65	64	66	82	74	75	70	99	85	61	61	61	62	63	66	94
KNYR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	98	55	56	57	60	99	99	98	99	99	99
KNYR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	56	56	61	102	100	98	98	101	102	99
KNYR	HY04	82	0	0	0	0	0	0	0	0	0	0	0	0	0	55	56	60	101	99	98	98	60	102	98
LPIA	HY01	19	19	19	19	19	17	17	17	15	15	15	15	15	16	16	17	17	17	17	17	17	17	17	17
LPIA	HY02	12	12	12	12	12	12	12	12	12	12	12	12	12	12	14	14	14	14	10	8	7	7	7	7
MNOR	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	3	3	3	3	3	3	3	3
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	21	21	21	21	21	21
PGAU	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
PGAU	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	21	21	0	0	0
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	21	0	0	0	0
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51	51	51	51	49	49	49	31	31	0
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	50	30	0
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30	30
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	16	16	16	16	16	16	16
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17
TMGR	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	34	34	33	34	34
TMGR	HY02	54	62	47	71	46	44	45	46	46	46	49	63	55	59	56	92	67	45	47	41	46	55	67	45
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY04	-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	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	88	26	84	96	94	96	141	88	86	97
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
UPIA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Total Hydro		323	251	229	271	226	221	225	225	223	222	228	259	242	266	227	315	254	530	430	659	682	829	1137	1274
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	0	0	0	0	0	0	0	0	0	0
BKLS	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
BSLS	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
CHLS	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
GBLS	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
GELS	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
GNLS	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
JSLs	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
KKLS	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
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	0	0	0	0	0	0	0	0	0	0
SPLS	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
SSLS	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

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
STLS	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
Total 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
PCUF	CUFG	2	4	3	3	4	4	4	4	4	3	4	3	4	3	3	4	3	3	2	2	2	4	4	4
PCUF	CUFK	1	5	2	2	2	3	3	3	3	2	4	4	3	3	4	5	4	3	2	3	1	3	4	4
Total Co-Gen		3	9	5	5	6	7	7	7	7	5	8	7	6	7	8	6	5	8	8	7	6	6	7	8
Total Gen		14935	14588	14276	13823	13557	13298	13092	12927	12886	12711	12695	12735	12898	13112	12988	12952	13698	14844	15483	16043	16329	16621	17002	17115
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
TIE-HVDC		29	31	31	-29	-29	-29	-29	-28	-28	-29	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30
TIE-PLTG		32	99	96	46	36	-15	11	4	31	16	-42	-32	-24	-26	-77	-107	-93	29	-39	-44	-83	-37	-17	25
Interconnection		61	129	127	17	7	-44	-19	-24	3	-14	-71	-61	-52	-55	-105	-136	-122	-1	-68	-73	-111	-66	-46	-4
System Total		14877	14462	14152	13809	13553	13345	13114	12954	12886	12728	12769	12799	12953	13170	13096	13091	13823	14848	15554	16119	16444	16691	17052	17123
SRev ST-Coal		139	152	227	364	432	467	452	480	456	566	560	565	461	472	459	487	438	351	128	145	120	145	144	157
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
SRev CCGT-Gas		658	926	1135	1495	1646	1763	1946	2083	2143	2208	2239	2228	2147	1951	2051	2147	1400	958	580	302	279	237	178	210
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
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
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
Syncon		991	991	991	991	991	991	991	991	991	991	991	991	840	991	840	991	703	703	476	476	302	0	0	126
Hydro		102	74	96	54	99	102	98	98	98	99	93	62	79	206	94	158	68	231	338	436	412	514	880	887
S.Reserve Total		1890	2143	2449	2904	3168	3323	3487	3652	3688	3864	3883	3846	3678	3469	3595	3632	2897	2243	1749	1359	1287	1198	1212	1264