

Daily System Generation Summary on Monday

Monday, June 14, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,335 MW
Distillate	0 MW
Total TNB	2,335 MW
Total IPP	17,619 MW
Total Co-Gen	0 MW
Total System	24,099 MW

Generation Mix

Type	MWh	Percentage
Hydro	14,053	4.39 %
Gas	70,645	22.08 %
Total TNB	84,698	26.48 %
ST-Coal	174,862	54.66 %
LSS	3,226	1.01 %
Gas	57,054	17.84 %
Total IPP	235,142	73.51 %
Co-Gen	168	0.05 %
Total Co-Gen	168	0.05 %
Total Generation	320,008	100.04 %
PLTG	-390	-0.12 %
HVDC	517	0.16 %
Interconnection	127	0.04 %
Net Energy	319,881	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	16,365 MW
TNB Generation	3,810 MW
IPP Generation	10,910 MW
Spinning Reserve	1,637 MW
Maximum Demand	14,687 MW
Net Energy	319,881 MWH
Load Factor	90.75 %

Fuel Cost

Total Cost:	44,579,120.61 RM
Cost per Unit	13.94 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	137
Hydro	348
Syncon	549
Thermal	401
Total	1,435

Time	Weather	Temperature
Afternoon	Hot	31
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	221
Total TNB	250
CBPS	55
NPRI	156
PLPS	68
Total IPP	279
Total Gas	529
Total Gas Required	529

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	13416	12846	12299	11882	11597	11318	11366	11365	11726	13014	13599	14008	14178	14313	14513	14653	14610	14311	13624	13603	14492	14433	14340	14207

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, July 5, 2021 5:29:11 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	673	603	421	350	353	351	352	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353	353
JMHE	U001	863	848	851	799	797	778	781	778	782	781	778	779	780	779	782	776	779	781	779	795	879	882	876	879
JMHE	U002	860	852	851	795	798	776	781	779	779	780	780	779	779	780	778	777	781	780	782	780	793	883	879	878
JMJG	U001	669	665	676	673	672	673	612	548	516	440	448	447	447	454	491	526	554	635	668	674	670	667	669	676
JMJG	U002	673	678	675	675	670	673	618	543	526	487	442	450	450	457	500	538	549	640	668	675	671	673	677	679
JMJG	U003	665	666	666	662	667	666	609	539	523	467	456	455	456	464	495	511	545	631	662	662	666	667	662	666
JMJG	U005	877	850	850	823	805	804	808	803	806	807	804	807	804	805	809	801	805	805	803	807	804	807	892	892
PKLG	U003	264	159	154	155	155	154	151	153	153	155	155	153	154	155	154	153	154	154	151	150	149	153	205	206
TBIN	U001	671	670	586	524	435	349	351	351	351	351	353	348	352	351	350	351	351	494	696	690	692	689	691	693
TBIN	U002	675	673	604	538	441	350	354	354	354	353	354	353	353	354	353	356	500	696	691	690	691	691	691	691
TBIN	U004	891	852	855	853	853	850	853	854	853	853	854	853	852	852	852	854	850	852	852	852	852	852	852	852
Total ST-Coal		7781	7516	7189	6847	6646	6424	6267	6054	5995	5826	5779	5776	5781	5805	5915	5997	6076	6625	7208	7408	7442	7622	7764	7800
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
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
CBPS	BLK2	356	362	362	359	357	362	358	364	364	362	358	362	362	362	358	365	366	358	362	362	362	362	362	362
GLGR	GT01	109	94	96	96	93	94	94	95	94	96	95	95	95	94	95	95	96	108	108	107	108	107	107	109
GLGR	ST1C	46	39	39	41	39	39	39	40	40	41	39	40	40	40	41	40	44	45	46	45	44	44	45	41
NPRI	BLK1	523	529	529	529	524	529	524	531	527	530	529	531	530	530	524	532	529	527	528	527	512	524	522	527
NPRI	BLK2	506	527	529	529	523	529	509	531	528	529	528	530	530	529	529	523	529	529	528	529	512	529	533	529
PCGP	PGRG	592	602	603	602	595	603	595	605	601	603	604	603	604	604	601	594	607	605	604	601	606	602	603	605
PLPS	GT11	139	142	129	129	128	128	129	129	129	129	129	129	129	129	129	143	143	144	143	143	143	143	142	134
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	58
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	5
PLPS	ST18	57	57	56	55	57	57	56	56	56	56	56	57	56	57	56	57	58	57	58	58	58	58	58	57
SPGP	BLK1	717	717	717	716	719	716	719	717	718	718	718	718	717	718	718	717	716	716	716	710	707	706	700	700
SPGP	BLK2	719	719	719	716	718	717	719	717	719	719	718	719	719	719	718	720	718	719	718	719	719	717	718	719
TJGS	GT1A	227	223	229	226	224	228	225	227	225	227	223	225	227	228	224	224	225	229	225	227	226	226	224	222
TJGS	GT1B	215	216	218	216	216	218	217	216	217	214	218	219	218	217	216	218	215	219	213	213	213	213	212	213
TJGS	ST1C	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	243	246	246	246	246	246	246	246
TJGS	GT2A	216	216	216	216	216	216	216	216	216	216	216	216	216	216	215	214	217	217	215	217	217	213	216	216
TJGS	GT2B	212	212	212	212	212	212	212	212	212	212	212	212	214	212	213	211	213	213	214	213	211	211	211	214
TJGS	ST2C	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255
Total CCGT-Gas		5132	5153	5152	5140	5119	5146	5110	5154	5144	5150	5141	5154	5155	5152	5145	5117	5167	5178	5160	5179	5186	5158	5172	5175
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
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
BSIA	HY02	24	24	23	23	12	12	12	12	12	12	12	12	12	12	12	12	12	12	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
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
CEND	HY02	10	10	9	10	9	10	9	9	10	10	10	9	10	9	9	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
HTRG	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
HTRG	HY02	0	0	0	0	63	-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
KNRG	HY02	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
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
KNYR	HY01	64	97	99	96	94	100	93	100	99	100	66	82	98	67	67	65	100	68	76	78	100	77	80	98
KNYR	HY02	100	100	100	100	100	101	100	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101

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
KNYR	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
KNYR	HY04	100	100	100	100	100	102	100	102	102	102	35	-1	-1	-1	-1	-1	-1	-1	-1	-1	100	100	100	59
LPIA	HY01	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	16	15	15	15
LPIA	HY02	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	15	15	15	15	15
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
PGAU	HY01	-1	-1	-1	-1	-1	-1	20	-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	0	0	0	0	0	0
PGAU	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
SIHY	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
SIHY	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
SIHY	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
SYPS	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
SYPS	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
SYPS	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
SYPS	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
TMGR	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
TMGR	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
TMGR	HY03	31	-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	40	41	46	42	42	47	42	74	42	46	42	64	78	46	49	41	85	45	45	65	45	46	57	59
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	-1	-1	-1	-1	-1	-1	-1
UPIA	HY02	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Total Hydro		467	469	474	468	517	468	473	494	462	467	362	363	394	405	294	223	400	555	406	463	569	656	614	712
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
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
TBLS	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	4	4	4	4	4	4	3	3	4	4	6	3	4	3	2	3	4	3	5	3	2	4	3	3
PCUF	CUFK	4	3	2	4	4	3	4	3	3	3	5	3	3	3	3	3	4	3	2	4	3	3	2	2
Total Co-Gen		8	7	6	8	8	7	7	6	7	7	11	6	7	6	5	6	7	9	6	9	7	4	8	8
Total Gen		13388	13145	12821	12463	12290	12045	11857	11708	11608	11450	11293	11299	11337	11368	11359	11356	11719	12500	12992	13328	13575	13842	14004	14137
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	-29	-29	-28	-28	-29	-29	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
TIE-PLTG		5	30	8	-15	22	-4	7	-16	-16	-15	-52	-36	-55	-54	-33	9	-34	-13	-49	-14	-50	-28	-30	-25

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																								
Interconnection		-24	2	-21	-43	-6	-33	-22	14	14	15	-22	-6	-25	-23	-2	38	-4	17	-19	17	-20	2	0	5	-9	70	21	10	13	44	27	49	24	2	15	-16	24	0	25	35	42	50	-46	9	-21	-22	34	23
System Total		13416	13147	12846	12509	12299	12081	11882	11697	11597	11438	11318	11309	11366	11395	11365	11321	11726	12486	13014	13315	13599	13844	14008	14135	14178	14219	14313	14477	14513	14687	14653	14623	14610	14524	14311	13922	13624	13429	13603	14275	14492	14458	14433	14392	14340	14360	14207	13965
SRev ST-Coal		474	558	629	665	683	683	827	832	829	828	832	829	831	829	826	834	830	787	565	541	535	533	444	433	443	395	395	385	401	387	395	327	327	316	346	466	464	460	383	339	318	321	329	320	340	337	326	296
SRev CCGT-Gas		138	117	118	130	151	124	160	116	126	120	129	116	115	118	125	153	103	92	110	91	84	112	98	95	92	144	181	90	543	215	130	113	90	87	144	156	180	203	162	119	115	115	128	128	121	119	118	152
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		713	800	800	800	800	866	715	866	866	866	926	1027	1027	739	926	1027	840	464	738	738	651	464	464	313	464	277	651	651	338	464	464	500	651	651	651	839	926	1027	940	464	464	651	651	652	652	565	565	
Hydro		161	72	67	74	90	73	219	47	79	74	179	76	45	222	146	117	127	348	223	165	146	271	313	387	206	1018	821	441	489	576	475	470	350	370	443	185	178	119	188	406	370	391	309	299	370	255	310	283
S.Reserve Total		1491	1552	1619	1674	1729	1751	1926	1866	1905	1893	2071	2053	2023	1908	2023	2131	1900	1691	1636	1535	1416	1380	1319	1228	1205	1834	2048	1567	1771	1642	1464	1410	1418	1424	1584	1646	1748	1834	1673	1328	1267	1291	1417	1398	1483	1363	1319	1382