

Daily System Generation Summary on Monday

Monday, May 24, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,286 MW
Distillate	0 MW
Total TNB	2,286 MW
Total IPP	17,619 MW
Total Co-Gen	0 MW
Total System	23,729 MW

Generation Mix

Type	MWh	Percentage
Hydro	19,013	5.00 %
Gas	67,651	17.78 %
Total TNB	86,664	22.78 %
ST-Coal	221,997	58.35 %
LSS	3,113	0.82 %
Gas	67,621	17.77 %
Total IPP	292,731	76.94 %
Co-Gen	166	0.04 %
Total Co-Gen	166	0.04 %
Total Generation	379,561	99.76 %
PLTG	-304	-0.08 %
HVDC	-608	-0.16 %
Interconnection	-912	-0.24 %
Net Energy	380,473	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	19,222 MW
TNB Generation	4,230 MW
IPP Generation	13,688 MW
Spinning Reserve	1,296 MW
Maximum Demand	18,058 MW
Net Energy	380,473 MWH
Load Factor	87.79 %

Fuel Cost

Total Cost:	53,350,309.42 RM
Cost per Unit	14.05 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	446
Hydro	323
Syncon	278
Thermal	183
Total	1,230

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	30
SRDG	11
TJGS	214

Total TNB 255

CBPS	54
NPRI	158
PGLA	12
PLPS	76

Total IPP 301

Total Gas 555

Total Gas Required 555

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	15347	14705	13976	13564	13272	13000	13137	13154	13815	15589	16519	17176	16838	17011	17675	18000	17972	17632	16537	16494	17541	17522	17038	16722

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, June 4, 2021 10:01:35 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	692	694	693	692	652	600	603	601	591	552	354	352	350	351	398	462	629	693	696	691	694	694	692	695	692	693	692	693	693	692	691	691	691	694	692	693	692											
JMAH	U002	698	699	695	697	651	605	604	605	603	556	401	362	355	356	354	402	461	607	689	693	696	697	698	695	696	696	698	696	693	695	694	697	693	695	693	698	693	692	696	695	696	694	692	698	694	693	697	695
JMHE	U001	984	986	980	899	902	902	903	900	841	798	800	805	799	801	802	795	799	925	978	979	982	980	982	981	979	978	979	981	983	979	981	979	984	979	973	977	980	979	979	981	982	979	980	977	980	980	981	980
JMHE	U002	986	983	981	902	899	900	899	899	835	799	797	802	798	800	980	983	982	980	980	983	982	980	981	980	979	982	979	978	983	979	978	983	979	974	975	981	981	982	985	980	980	979	981	979	978	980		
JMJG	U001	649	651	648	650	645	649	647	645	654	646	649	642	593	595	596	597	618	646	650	642	649	649	646	651	645	650	647	642	646	650	646	642	642	642	645	643	641	637	643	640	640	644	641	640	644	637	643	645
JMJG	U002	317	312	289	286	288	287	288	285	286	285	287	283	279	285	365	420	484	506	507	512	508	555	570	594	666	675	672	678	678	678	678	678	677	671	675	671	673	669	673	672	672	668	673	676	673	676	671	
JMJG	U003	668	637	510	504	505	503	506	509	506	504	505	505	505	506	506	503	504	505	512	590	602	665	669	668	666	673	619	664	666	662	663	666	662	664	663	659	667	667	663	664	666	671	662	662	664	661	666	
JMJG	U005	892	891	890	812	796	806	803	804	801	806	800	803	804	801	800	800	801	800	803	851	891	887	886	891	889	889	892	892	891	894	895	890	890	892	892	888	892	887	892	890	892	890	881	883	886	886	883	886
PKLG	U004	277	240	146	152	153	153	154	153	154	156	154	155	152	154	154	153	260	275	278	278	277	277	278	276	277	279	280	275	277	277	277	277	275	276	275	275	273	283	278	278	272	273	275	274	272	273	263	
PKLG	U006	449	445	385	154	278	278	280	277	281	278	278	277	279	279	276	278	280	283	357	440	446	446	450	451	451	448	449	447	449	447	445	449	449	440	450	447	446	450	452	447	449	447						

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	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY03	10	0	0	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
CEND	HY04	7	7	7	10	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
HTRG	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	-1	-1	-1	-1	-1	123	65	63	63
HTRG	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	123	60	-1	64	120
KNRG	HY01	22	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	20	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	22	23	24	23	23	24	23	24	38	38	38	38	38	38	38	37	36	36	20	21	21	36	36	36
KNRG	HY01	78	53	55	58	54	101	60	68	58	98	102	57	96	62	75	61	63	63	66	74	100	99	80	61
KNYR	HY02	56	55	62	58	56	101	61	0	0	0	0	0	0	0	0	55	59	60	99	100	96	100	101	99
KNYR	HY03	69	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	98	98	97	54	57	60	99	100	96	100	100
KNYR	HY04	94	55	-1	-1	-1	102	59	-1	-1	-1	-1	0	20	60	60	57	58	58	57	56	59	60	100	101
LPJA	HY01	19	18	18	18	18	18	18	18	18	18	18	18	19	19	19	19	19	19	19	19	19	19	19	19
LPJA	HY02	19	18	18	18	18	18	18	18	18	18	18	18	18	19	19	19	19	19	19	19	19	19	19	19
MNOR	HY01	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	5	5	5	5	5	5	5
PGAU	HY01	22	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	149	-1	-1	82
PGAU	HY03	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	21	21	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	31	31	48	47	31	0
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	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	50	50	50	30	0
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	25	25	17	0	0
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	25	25	17	0	0
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	25	25	17	0	0
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	25	25	17	0	0
TMGR	HY01	32	34	34	34	32	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	84	32	-1	62	85	85	85
TMGR	HY02	41	43	48	43	41	89	43	47	40	81	89	45	88	44	57	42	45	43	45	44	58	89	88	58
TMGR	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
TMGR	HY04	31	32	34	33	31	61	-1	-1	-1	-1	-1	-1	-1	-1	-1	86	86	86	29	86	85	85	85	30
UPIA	HY01	6	5	5	5	5	5	6	6	6	6	5	6	6	5	6	5	6	5	6	5	6	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		626	377	339	338	328	570	338	230	210	319	331	243	346	308	332	302	494	492	493	449	557	792	959	1086
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

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	
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	9	16	20	18	14	15	14	15	20	30	15	13	30	18	28	30	22	23	22	15	9	1	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	14	53	104	156	222	270	315	379	381	405	454	439	384	451	421	383	391	294	270	184	126	82	43	11	1	0	0	0	0	0	0	0	0
PCUF	CUFG	4	5	4	2	4	4	3	4	4	4	3	3	2	3	3	3	3	3	3	3	4	3	3	5	4	4	4	3	6	4	4	2	3	3	2	4	4	4	5	5	5	4	3	3	5	3	4	4
PCUF	CUFK	4	3	2	3	3	3	3	4	5	2	4	3	2	3	5	4	5	3	4	3	3	2	3	3	4	2	4	5	4	4	3	1	3	3	3	3	4	3	4	4	4	4	3	2	2	4		
Total Co-Gen		8	8	6	5	7	7	6	8	9	6	7	6	4	6	8	7	8	6	7	6	7	5	6	8	8	6	8	8	10	8	7	3	6	6	5	7	8	7	9	8	9	8	7	7	8	5	6	8
Total Gen		15382	14927	14719	14281	13932	13723	13526	13431	13193	13126	12900	12903	13059	13007	13057	13172	13792	14858	15550	16106	16438	16790	17079	17217	16740	16777	16991	17393	17658	17926	17919	17954	17947	17904	17624	16917	16483	16174	16424	17169	17474	17487	17438	17338	16997	16939	16726	16436
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		31	30	30	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-28	-30	-30	-28	-31	-28	-28	-28	-31	-28	-30	-28	-27	-30	-30	-29	-29	-29	-29	-30
TIE-PLTG		14	-20	-5	16	-5	-7	1	-6	-40	-7	-61	-21	-39	-33	-57	-15	15	50	0	-11	-42	-76	-57	-30	-57	-35	18	18	22	-92	-41	40	16	-5	31	-6	-12	-11	-34	-34	-33	-15	-48	16	-6	19	40	38
Interconnection		45	10	25	-12	-33	-37	-28	-35	-69	-36	-90	-51	-68	-62	-87	-44	-13	21	-29	-40	-71	-105	-86	-60	-87	-64	-10	-11	-7	-122	-71	12	-15	-34	3	-34	-43	-39	-64	-62	-61	-46	-78	-14	-35	-11	11	7
System Total		15347	14927	14705	14304	13976	13771	13564	13476	13272	13172	13000	12964	13137	13079	13154	13226	13815	14847	15589	16156	16519	16905	17176	17288	16838	16852	17011	17414	17675	18058	18000	17952	17972	17948	17632	16962	16537	16224	16494	17237	17541	17539	17522	17358	17038	16956	16722	16436
SRev ST-Coal		111	175	270	556	689	719	736	866	909	916	916	919	971	976	2206	2218	1926	1139	670	275	206	167	112	142	126	139	180	147	131	142	143	140	139	150	163	156	161	163	137	151	140	156	171	166	149	160	156	176
SRev CCGT-Gas		215	332	198	264	426	163	235	179	317	155	162	400	249	246	235	238	166	190	450	485	405	390	389	402	464	447	414	547	445	419	399	374	328	339	410	447	481	396	373	334	488	439	471	675	583	673	717	952
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	-1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	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		252	504	605	605	605	591	678	779	779	779	779	552	552	552	552	364	364	364	364	277	428	428	403	403	490	252	252	252	252	252	403	403	403	403	403	0	151	277	151	0	0	0	0	126	126	403	403	403
Hydro		634	343	279	290	300	72	218	125	145	36	24	114	111	149	125	155	151	153	152	296	338	280	312	272	453	335	345	305	396	484	512	341	302	299	392	207	458	303	478	281	96	119	117	563	431	245	200	229
S.Reserve Total		1212	1354	1352	1714	2020	1545	1867	1949	2150	1886	1881	1986	1883	1923	3118	3163	2607	1846	1636	1420	1226	1265	1241	1219	1446	1411	1191	1251	1224	1298	1310	1295	1209	1228	1405	810	1251	1139	1139	846	722	708	756	1524	1289	1481	1476	1760