

Daily System Generation Summary on Thursday

Thursday, June 10, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,240 MW
Distillate	0 MW
Total TNB	2,240 MW
Total IPP	16,383 MW
Total Co-Gen	0 MW
Total System	22,894 MW

Generation Mix

Type	MWh	Percentage
Hydro	12,447	3.89 %
Gas	73,692	23.04 %
Total TNB	86,139	26.93 %
ST-Coal	189,492	59.24 %
LSS	2,324	0.73 %
Gas	40,700	12.72 %
Total IPP	232,516	72.69 %
Co-Gen	162	0.05 %
Total Co-Gen	162	0.05 %
Total Generation	318,817	99.67 %
PLTG	-365	-0.11 %
HVDC	-697	-0.22 %
Interconnection	-1,062	-0.33 %
Net Energy	319,879	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	15,762 MW
TNB Generation	3,698 MW
IPP Generation	10,678 MW
Spinning Reserve	1,380 MW
Maximum Demand	14,382 MW
Net Energy	319,879 MWH
Load Factor	92.67 %

Fuel Cost

Total Cost:	46,471,790.58 RM
Cost per Unit	14.58 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	118
Hydro	301
Syncon	673
Thermal	476
Total	1,568

Time Weather Temperature

Afternoon	Cloudy	33
Morning	Cloudy	27

Gas Usage

Station	(mmscfd)
GLGR	52
TJGS	221
Total TNB	273
CBPS	55
NPRI	80
PLPS	36
Total IPP	171
Total Gas	444
Total Gas Required	444

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	14028	13385	12852	12441	12068	11838	11783	11741	11871	12977	13479	13901	13994	13978	14236	14327	14161	13929	13352	13515	14238	14102	13879	13726

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, July 5, 2021 5:25:22 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Thursday

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	501	503	501	450	451	402	352	352	352	351	350	350	352	351	353	351	402	402	401	401	452	500	503	502	503	526	576	601	693	691	692	691	691	603	498	502	452	451	556	601	562	551	552	553	551	552	551	
JMAH	U002	505	507	506	457	454	405	354	353	354	355	354	354	355	354	354	355	406	405	404	405	456	505	505	505	504	529	577	605	697	696	694	695	697	604	503	504	455	454	563	603	551	555	470	349	278	213	44	
JMHE	U001	947	868	870	876	780	780	781	782	779	781	781	782	780	781	776	780	782	777	891	891	890	890	890	888	888	890	921	920	918	918	918	924	918	919	918	921	920	919	918	918	915	920	919	920	920	918		
JMHE	U002	948	870	870	874	782	779	777	780	781	782	781	777	778	778	780	778	779	781	781	892	889	891	888	887	890	891	890	920	921	919	918	920	922	918	919	918	919	924	918	917	922	918	917	919	919	924	920	
JMJG	U001	665	667	670	668	662	660	664	666	637	627	622	572	579	576	576	587	604	670	672	668	664	674	673	667	680	667	671	668	673	673	672	669	668	674	672	671	666	672	672	672	671	666	671	674	670	671	673	673
JMJG	U002	672	685	670	668	674	673	669	672	644	629	621	573	577	580	560	574	602	677	673	669	675	674	668	671	672	673	671	672	673	674	672	675	672	675	673	673	674	671	669	675	671	673	671	677	672	669	677	672
JMJG	U003	667	664	666	662	662	666	665	665	630	626	623	570	577	576	573	573	601	666	667	668	636	661	665	667	669	667	667	662	665	665	666	668	667	669	668	665	666	666	666	665	668	667	667	668	662	662	661	663
JMJG	U005	890	888	889	891	888	853	799	797	801	798	800	800	799	801	798	798	800	799	798	888	889	889	887	889	888	891	888	892	890	890	889	889	888	890	887	890	887	891	890	889	892	889	890	891	891	890	889	889
PKLG	U003	259	276	280	282	281	283	281	279	280	279	280	283	281	280	280	283	284	280	283	282	281	283	285	283	282	281	279	283	283	282	282	283	285	285	283	282	283	284	283	283	282	284	282	282	279	280	282	
TBIN	U001	600	599	601	552	550	552	550	497	450	450	399	401	403	402	400	401	400	505	555	552	565	695	691	689	692	686	690	692	691	688	688	689	686	691	690	690	690	692	690	691	686	690	691	688	651	650	650	652
TBIN	U002	604	602	603	551	554	554	553	516	451	454	408	405	402	402	404	402	403	501	560	552	578	695	690	696	694	692	695	695	687	695	690	686	693	695	691	693	692	690	693	696	691	690	691	691	653	652	653	651
TBIN	U004	952	873	853	854	855	854	855	852	853	854	854	854	851	853	853	854	852	855	853	894	893	897	892	894	892	892	903	921	924	923	923	924	922	923	923	923	920	922	922	921	925	921	922	921	922	922	922	
Total ST-Coal		8210	8002	7979	7785	7593	7461	7300	7211	7012	6987	6875	6721	6731	6736	6710	6733	6811	7324	7426	7761	7767	8153	8239	8239	8256	8235	8288	8461	8530	8718	8705	8706	8707	8735	8530	8326	8323	8232	8235	8449	8522	8435	8425	8352	8142	8062	8014	7837
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	358	358	354	354	365	358	361	361	361	359	359	360	360	360	360	361	353	360	353	368	361	361	361	354	361	363	363	365	354	354	357	354	360	361	368	324	339	368	361	354	359	359	361	361	362	362	362	
GLGR	GT01	100	100	100	100	99	89	67	68	68	67	69	68	69	68	67	78	101	101	100	101	98	100	102	99	101	99	100	100	100	100	100	102	100	100	83	68	68	102	100	102	101	102	100	101	100	101	101	
GLGR	GT02	100	100	100	100	101	88	68	68	68	68	68	67	67	67	67	78	101	100	100	100	100	101	100	101	100	101	100	101	101	101	100	100	101	101	101	82	68	68	101	101	100	100	101	101	100	101	101	
GLGR	ST1C	91	91	91	91	91	88	73	72	72	72	73	72	72	73	72	74	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	85	73	72	90	91	91	91	91	91	91	91	91	91	92	
NPRI	BLK1	505	383	77	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NPRI	BLK2	505	523	519	528	523	525	527	526	525	528	527	530	527	529	527	520	496	529	510	527	528	529	534	502	527	527	527	502	511	511	505	523	519	528	491	505	529	527	505	522	521	527	528	529	526	528		
PCGP	PGRG	591	601	601	603	602	598	601	603	603	602	602	604	602	602	601	595	602	592	604	593	611	602	603	609	590	601	602	602	591	591	596	585	607	602	592	595	605	601	592	600	594	602	603	604	601	602		
PLPS	GT11	141	141	141	141	142	128	128	129	129	129	129	129	129	130	129	133	147	143	144	143	143	143	146	145	146	146	146	146	145	145	145	145	128	128	129	129	129	129	147	146	146	147	146	146	146	147		
PLPS	ST18	57	57	57	57	58	55	56	56	56	56	57	56	57	57	56	57	59	58	58	58	58	58	59	59	58	58	59	59	58	58	58	55	56	56	56	57	57	59	58	58	58	58	58	58	59	58		
SPGP	BLK1	718	717	717	717	716	718	719	717	716	719	718	719	719	717	719	719	719	719	718	718	717	717	714	713	714	712	714	710	715	716	720	718	718	718	705	675	687	708	716	717	719	720	717	717	717	719	718	
SPGP	BLK2	719	719	717	720	717	719	717	717	717	719	718	719	719	718	720	719	719	719	716	718	718	718	717	716	717	718	719	718	717	717	720	718	717	718	716	719	718	719	718	718	719	718	717	718	716	717	717	
TJGS	GT1A	225	225	225	224	223	224	226	224	224	228	224	228	228	223	227	234	227	227	226	226	225	226	223	224	221	222	226	226	224	221	223	222	217	223	226	222	223	225	223	223	225	226	226	224	225	223	223	223
TJGS	GT1B	217	219	216	219	217	219	216	217	214	217	219	217	216	218	217	219	217	217	218	216	215	214	215	214	215	218	214	211	215	214	209	216	216	215	212	215	215	217	215	218	216	215	214	217	216	212		
TJGS	ST1C	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	226	242	235	241	241	245	245	245	245	245	245	245	245	245	245	245	245	248	248	248	248	248	248	245	244	244	244	244	244	244	244		
TJGS	GT2A	215	216	216	216	216	216	216	216	216	216	216	214	215	215	220	217	217	217	217	214	217	217	216	214	216	216	214	216	216	216	216	178	224	220	208	215	223	223	222	222	222	224	221	221	222	222		
TJGS	GT2B	213	213	213	213	213	213	214	214	214	214	214	211	214	214	218	215	211	214	214	211	213	211	213	213	213	213	213	213	213	213	211	176	219	218	206	210	219	219	217	219	219	221	21					

Daily MW Generation on Thursday

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
LPIA	HY01	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
LPIA	HY02	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
MNOR	HY01	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	3	3	3	3	3	5	5	3
PGAU	HY01	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	16	-1
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51	47	47	31	
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	31	31	31	31	50	50	30	30
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	31	31	31	31	50	50	30	30
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	25	25	25	25	25
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	25	25	25	25	25
TMGR	HY01	42	42	42	42	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	33	31	33	33	-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	45	85
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	32	30	-1	-1	-1	-1	-1
TMGR	HY04	41	42	42	42	43	43	41	41	74	42	42	83	80	43	47	41	45	41	48	41	85	42	55	75
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	55	95	90	94
UJLI	HY02	88	93	94	-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		576	587	589	493	424	417	404	307	297	238	203	295	293	324	239	198	204	288	520	492	585	501	531	576
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	7	9	8	11	17	12	25	26	19	16
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	6	8	9	11	4	3	4	6	7
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	7	10	15	0	2	0	3	8	17
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	9	21	32	31	31	43	35	36	47
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	10	13	22	26	30	33	35	34	9
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	9	12	15	18	21	23	25	22	30
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	11	3	8	7	10	20	22	14	13
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	39	21	44	36
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	11	9	5	6	4	3	2	4	10
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	9	9	11	13	1	3	4	4	3
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	12	18	24	30	34	38	41	44	44
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7	10	17	23	25	22	34	23	35	39
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	6	16	18	25	31	22	14	21	23
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	7	11	15	18	21	24	26	27	29
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	12	15	24	27	28	28	28	29	19
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	11	49	112	149	210	259	266	266	303	308	322
PCUF	CUFG	2	4	6	5	5	4	3	4	4	2	4	3	4	4	3	3	5	4	4	4	4	4	4	4
PCUF	CUFK	3	2	4	4	3	4	3	3	3	2	4	3	4	4	3	2	3	4	4	3	3	3	3	3
Total Co-Gen		5	6	10	9	8	8	6	7	7	4	8	6	8	8	7	5	6	7	9	6	6	6	5	8
Total Gen		14044	13756	13420	13068	12806	12622	12397	12211	11997	11923	11773	11722	11718	11756	11649	11608	11792	12468	12893	13223	13419	13713	13828	13922
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	-30	-30	-29	-29	-29	-29	-29	-30	-30	-29	-29	-30	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29
TIE-PLTG		48	78	68	-11	-14	-26	-12	11	-39	-1	-31	-18	-34	-51	-59	-11	-47	-15	-52	-6	-27	5	-40	-45
Interconnection		19	49	38	-41	-43	-54	-41	-18	-68	-30	-62	-48	-62	-79	-89	-40	-76	-43	-81	-34	-57	-24	-70	-75
System Total		14028	13710	13385	13112	12852	12679	12441	12232	12068	11956	11838	11773	11783	11838	11741	11651	11871	12514	12977	13260	13479	13740	13901	14001
SRev ST-Coal		522	642	647	651	655	687	742	739	831	860	875	875	877	879	878	875	874	728	726	647	677	510	522	520
SRev CCGT-Gas		172	128	207	108	108	153	202	203	208	195	202	189	203	201	196	228	167	152	100	135	98	102	103	90
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

Daily MW Generation on Thursday

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		
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	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	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	0
Syncon		551	551	551	738	825	825	825	775	1027	1027	1027	1027	1027	926	1027	1027	1027	1027	825	825	825	825	825	825	487	825	825	825	638	638	638	651	651	839	839	1027	1027	1048	840	464	464	551	400	501	551	551	551	638	638
Hydro		277	266	264	173	155	162	151	298	56	115	150	58	60	130	114	155	149	215	185	213	120	204	174	128	386	128	145	141	243	269	307	316	330	270	263	176	189	190	310	345	361	392	579	571	411	278	329	253	253
S.Reserve Total		1522	1587	1669	1670	1743	1827	1920	2015	2122	2197	2254	2149	2167	2136	2215	2285	2217	2122	1836	1820	1720	1641	1624	1563	1535	1584	1595	1540	1442	1384	1421	1430	1479	1618	1664	1770	1984	1979	1782	1340	1412	1498	1535	1604	1588	1461	1498	1516	1516