

Daily System Generation Summary on Saturday

Saturday, March 6, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,151 MW
Distillate	0 MW
Total TNB	2,151 MW
Total IPP	17,008 MW
Total Co-Gen	0 MW
Total System	21,282 MW

Generation Mix

Type	MWh	Percentage
Hydro	17,630	4.95 %
Gas	21,909	6.15 %
Total TNB	39,539	11.10 %
ST-Coal	238,432	66.92 %
LSS	2,848	0.80 %
Gas	74,925	21.03 %
Total IPP	316,205	88.75 %
Co-Gen	194	0.05 %
Total Co-Gen	194	0.05 %
Total Generation	355,938	99.90 %
PLTG	353	0.10 %
HVDC	-699	-0.20 %
Interconnection	-346	-0.10 %
Net Energy	356,284	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:	20:00:00 Hour
Total Set On Bus	17,377 MW
TNB Generation	2,393 MW
IPP Generation	13,720 MW
Spinning Reserve	1,257 MW
Maximum Demand	16,133 MW
Net Energy	356,284 MWH
Load Factor	92.02 %

Fuel Cost

Total Cost:	45,345,956.58 RM
Cost per Unit	12.73 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	395
Hydro	356
Syncon	627
Thermal	277
Total	1,655

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	28

Gas Usage

Station	(mmcsfd)
GLGR	57
TJGS	100
Total TNB	157
CBPS	55
NPRI	149
PGLA	103
PLPS	53
SKSP	8
YPKA	35
Total IPP	403
Total Gas	560
Total Gas Required	560

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	16016	15180	14645	14239	13708	13475	13425	13232	12931	14073	14700	15213	15063	14935	15456	15793	15996	15423	14961	15077	16133	16034	15591	15319

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, April 6, 2021 11:39:41 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Saturday

		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		696	692	694	693	690	692	692	693	651	600	499	502	501	502	502	452	526	698	695	692	691	693	691	694	691	692	693	694	692	691	690	691	692	689	693	693	692	693	690	692										
JMAH	U002		696	698	696	695	693	694	693	690	604	606	498	505	505	505	505	455	541	697	697	699	696	695	698	689	696	699	697	697	697	688	697	694	695	701	701	697	695	695	699	697	698	695	699	697	698	696	694			
JMHE	U001		981	980	979	981	961	848	849	850	849	851	849	851	853	851	849	847	857	847	848	902	904	950	953	950	949	953	952	951	950	950	949	950	947	951	954	951	952	944	952	980	978	982	975	985	982	983	980	962		
JMHE	U002		982	979	981	980	959	850	849	851	851	851	849	850	852	854	848	851	854	848	847	899	904	955	952	949	947	951	951	952	951	949	950	944	950	944	950	951	951	951	944	949	980	977	983	976	984	983	986	977	963	
JMJG	U001		670	669	676	675	670	672	672	676	668	679	672	671	673	671	670	672	673	672	667	662	668	669	662	671	668	670	664	665	669	665	669	668	666	662	669	669	664	672	667	671	667	672	668	668	666	667	668			
JMJG	U002		679	667	679	668	670	678	672	674	677	674	673	669	677	673	671	676	674	675	670	668	676	667	670	673	672	674	676	672	673	674	673	672	672	678	672	668	682	668	670	671	670	667	667	671	667	670	672	673		
JMJG	U003		668	668	672	669	667	673	666	668	673	672	671	670	675	665	673	678	670	670	667	671	677	669	668	670	666	667	668	668	666	667	669	667	671	667	668	672	670	668	668	666	666	667	672	668	668	667	670			
JMJG	U004		972	975	973	973	973	971	971	914	855	855	854	852	854	854	854	855	854	854	883	901	951	949	952	949	951	949	949	950	948	946	946	951	949	951	949	949	949	949	951	949	977	973	972	974	970	973	976	974	972	
JMJG	U005		898	796	793	801	795	795	797	799	801	796	801	804	801	804	800	796	800	801	797	798	804	800	801	801	801	795	794	796	796	798	799	797	799	800	799	800	799	800	800	800	799	801	800	804	798	801	801	800	800	800
PKLG	U003		278	272	277	283	281	279	279	247	158	154	156	156	155	154	154	156	154	154	205	258	275	279	280	280	280	281	280	280	278	279	281	282	281	282	281	280	279	279	277	281	277	278	273	273	275	275	276	278		
PKLG	U004		279	279	275	278	277	279	279	250	1																																									

Daily MW Generation on Saturday

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	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	10	10	10																									
CEND	HY03	9	10	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	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	8	8																									
HTRG	HY01	125	125	-1	-1	62	63	62	63	62	62	63	62	62	-1	-1	-1	-1	-1	-1	-1	-1	125	63	63	-1	62																									
HTRG	HY02	124	125	62	63	63	63	63	63	62	62	62	62	63	-1	-1	-1	-1	-1	-1	-1	63	125	63	63	-1	63																									
KNRG	HY01	24	23	0	0	0	0	0	0	0	0	0	0	22	23	22	23	22	22	23	23	36	36	24	24	24	25																									
KNRG	HY02	23	22	0	0	0	0	0	0	0	0	0	0	24	25	24	25	25	24	25	24	37	37	24	24	25	0																									
KNRG	HY03	22	22	22	23	23	22	21	21	22	22	22	22	23	22	21	22	21	22	22	36	25	24	24	24	25	25																									
KNYR	HY02	103	102	101	100	101	102	59	65	100	102	102	86	94	102	101	60	102	99	98	101	100	100	99	99	58	-1																									
KNYR	HY03	103	103	101	102	101	103	100	99	101	102	102	100	100	101	101	59	103	99	97	100	101	100	99	98	103	104																									
KNYR	HY04	104	103	102	103	102	103	100	100	102	103	102	101	101	102	102	60	19	104	99	98	101	101	100	99	58	65																									
LPIA	HY01	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	17	17	17	18	18	12																									
LPIA	HY02	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	17	17	17	18	18	12																									
MNOR	HY01	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	3	4	0																									
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	21	83	21	-1	-1	-1																									
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	-1	-1																									
PGAU	HY03	20	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	21	0	0																									
PGAU	HY04	20	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	21	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	31	31	51																									
SIHY	HY02	50	0	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	9	30	50																									
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	16	16	16	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	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	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	0	0																									
TMGR	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	0	0																									
TMGR	HY02	92	92	92	78	46	46	44	46	45	56	57	47	45	75	46	45	57	89	44	43	84	55	59	55	44	44																									
TMGR	HY03	87	85	85	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																									
TMGR	HY04	83	86	83	83	71	61	39	42	55	69	76	52	43	84	63	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																									
UJLI	HY02	187	109	110	100	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	105	99	99	-1	-1	98																									
UPIA	HY01	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6																									
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	4	4																									
Total Hydro		1299	1130	837	764	648	643	567	578	629	658	666	611	608	629	513	342	326	564	482	574	632	600	720	728	671	636	640	667	590	608	633	621	1166	1179	915	626	579	569	663	1071	1414	1268	1075	881	716	771	778	594			
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	0	0	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	1	2	5	10	9	23	26	26	25	27	28	28	27	30	25	26	17	22	10	4	3	2	1	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	3	5	17	23	23	25	26	29	22	21	20	29	4	1	2	6	8	3	2	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	2	4	8	9	11	20	22	30	24	30	7	30	30	12	9	10	15	10	6	4	2	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	2	6	17	23	28	32	38	35	15	40	17	27	48	47	46	42	12	18	10	4	8	8	1	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	3	7	10	18	14	27	40	16	38	50	31	37	16	34	31	30	29	31	11	8	6	4	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	4	2	4	14	5	6	15	19	19	18	11	22	18	22	26	21	13	22	15	10	8	2	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	2	7	16	15	19	31	40	44	27	50	18	50	27	6	2	4	10	4	3	2	3	4	1	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	1	3	7	18	26	32	40	36	38	50	29	42	42	42	48	48	10	34	10	4	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	1	5	7	13	16	23	31	25	40	45	17	6	31	14	38	42	37	21	10	5	2	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	1	2	3	6	7	12	18	19	24	25	10	10	2	1	5	24	10	8	3	1	1	1	1	1	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	1	3	17	21	19	24	43	45	39	42	51	50	50	40	50	46	44	40	29	22	5	12	4	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	4	8	18	29	33	16	47	40	35	52	52	52	52	52	51	14	39	39	10	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	2	4	5	9	7	15	20	31	36	39	30	30	8	13	3	1	0	0	2	4	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Daily MW Generation on Saturday

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	2	3	1	11	9	13	18	18	17	17	18	23	15	16	22	14	18	8	12	4	5	3	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	2	30	77	138	219	237	324	416	395	416	492	361	427	407	344	363	286	281	230	119	51	54	32	5	0	0	0	0	0	0	0	0	0
PCUF	CUFG	5	5	4	4	4	4	4	6	5	5	4	5	6	4	4	4	6	4	5	4	5	4	6	4	4	5	5	4	4	6	4	5	4	4	4	5	4	5	5	4	5	4	7	6	6	6	7		
PCUF	CUFK	3	4	3	3	3	2	3	4	4	3	5	2	3	4	3	5	3	3	4	4	4	3	4	4	3	2	1	3	3	4	3	4	3	4	3	5	4	6	3	4	3	3	2	2	3	5	1	4	
Total Co-Gen		8	9	7	7	7	6	7	10	9	8	9	7	9	8	7	9	9	9	9	8	9	7	10	7	6	8	7	5	7	9	8	8	8	7	9	9	10	7	9	8	7	7	6	10	11	11	7	11	
Total Gen		15982	15538	15156	14965	14603	14401	14230	13913	13691	13630	13433	13372	13386	13396	13206	13032	12855	13538	13964	14312	14666	14897	15146	15177	15107	15028	14919	15247	15460	15761	15810	15722	15960	15676	15431	15109	14965	14799	15066	15673	16120	16073	16066	15807	15568	15480	15306	15077	
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		-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-30	-30
TIE-PLTG		2	6	12	28	-6	34	27	50	19	6	-7	-25	-3	7	12	52	-38	-30	-73	0	2	20	-31	-39	80	31	20	29	36	36	50	10	-4	9	39	21	35	37	21	42	19	44	66	38	11	2	20	-10	
Interconnection		-26	-23	-17	-1	-35	5	-2	21	-10	-22	-35	-54	-32	-22	-18	23	-68	-60	-102	-29	-27	-9	-60	-68	51	2	-9	0	7	6	20	-20	-33	-20	11	-8	7	9	-8	13	-10	15	36	8	-19	-28	-10	-40	
System Total		16016	15568	15180	14973	14645	14403	14239	13899	13708	13659	13475	13433	13425	13426	13232	13017	12931	13605	14073	14348	14700	14913	15213	15252	15063	15033	14935	15254	15456	15758	15793	15745	15996	15699	15423	15120	14961	14793	15077	15663	16133	16062	16034	15803	15591	15511	15319	15120	
SRev ST-Coal		169	296	279	274	333	346	352	445	547	575	577	577	568	580	579	569	579	568	456	438	386	265	272	257	287	266	274	269	271	270	279	277	287	267	265	265	249	292	264	190	198	206	208	181	193	174	208	218	
SRev CCGT-Gas		189	168	272	180	342	323	413	642	577	569	566	584	585	581	645	665	758	506	502	547	341	292	279	288	401	531	504	539	682	354	346	358	279	314	232	223	493	652	512	426	328	281	292	362	406	384	284	373	
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		302	302	428	428	489	489	489	489	489	489	489	489	489	615	741	677	828	677	828	828	828	828	741	741	741	828	828	828	915	915	764	764	87	0	428	677	828	915	741	428	0	0	87	364	641	742	490	577	
Hydro		356	441	204	277	246	251	327	316	265	236	228	283	286	138	128	363	258	172	159	221	163	195	248	240	297	245	241	214	200	177	303	315	397	771	607	347	243	166	396	651	736	886	992	509	397	242	387	399	
S.Reserve Total		1016	1207	1183	1159	1410	1409	1581	1892	1878	1869	1860	1933	1928	1914	2093	2274	2423	1923	1945	2034	1718	1580	1540	1526	1726	1870	1847	1850	2068	1716	1692	1714	1050	1352	1532	1512	1813	2025	1913	1695	1262	1373	1579	1416	1637	1542	1369	1567	