

Daily System Generation Summary on Saturday

Saturday, March 07, 2020

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,386 MW
Distillate	0 MW
Total TNB	2,386 MW
Total IPP	16,819 MW
Total Co-Gen	0 MW
Total System	22,028 MW

Generation Mix

Type	MWh	Percentage
Hydro	8,463	2.41 %
Gas	31,773	9.06 %
Total TNB	40,236	11.47 %
ST-Coal	256,152	73.02 %
LSS	1,940	0.55 %
Gas	51,164	14.59 %
Total IPP	309,256	88.16 %
Co-Gen	515	0.15 %
Total Co-Gen	515	0.15 %
Total Generation	350,007	99.77 %
PLTG	-93	-0.03 %
HVDC	-698	-0.20 %
Interconnection	-791	-0.23 %
Net Energy	350,798	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:	20:30:00 Hour
Total Set On Bus	17,801 MW
TNB Generation	1,969 MW
IPP Generation	13,943 MW
Spinning Reserve	1,808 MW
Maximum Demand	16,037 MW
Net Energy	350,798 MWH
Load Factor	91.14 %

Fuel Cost

Total Cost:	53,886,751.93 RM
Cost per Unit	15.39 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	280
Hydro	296
Syncon	1,019
Thermal	337
Total	1,932

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	33
TJGS	193
Total TNB	226
CBPS	0
NPRI	76
PGLA	75
PLPS	52
SGRI	65
YPKA	3
Total IPP	271
Total Gas	496
Total Gas Required	496

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	15133	14489	14048	13528	13282	13044	13047	12929	12691	13933	14817	15249	15346	15069	15377	15491	15454	15171	14776	14884	15989	16017	15510	15227

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, April 02, 2020 10:09:42 AM
(Ir. Shanmugam Thoppalan)
Pengurus Besar Kanan
Jabatan Sistem Operasi

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																									
JMAH	U002	695	695	697	694	694	695	693	695	693	694	693	695	692	692	692	706	696	695	695	699	693	694	696	693	694	693	693	694	693	693	694	693	695																
JMHE	U001	981	986	920	901	901	899	850	853	847	782	780	779	777	784	780	781	785	856	960	959	959	958	960	962	961	959	968	959	957	958	959	955	961	962	963	960	981	981	981	979	981	980	981	978	974				
JMHE	U002	980	981	917	901	902	900	850	854	848	783	778	779	778	784	780	780	784	852	960	961	958	959	959	959	960	971	961	956	958	959	956	961	961	964	959	980	981	980	979	981	980	983	979	976					
JMJG	U001	680	675	679	677	667	672	675	671	670	645	590	596	596	594	597	598	643	674	673	676	627	597	596	596	598	595	598	598	596	642	673	673	672	674	678	674	676	675	682	679	677	679	672	675	678	672	677		
JMJG	U002	678	681	673	677	677	680	678	678	677	679	682	654	593	598	600	598	597	671	675	675	679	604	596	597	597	598	596	599	599	654	676	682	677	676	679	680	664	676	668	671	670	672	669	670	673	670	671	671	
JMJG	U003	665	671	667	670	667	671	542	542	609	673	668	669	672	668	637	591	596	628	667	667	662	638	643	644	643	646	643	667	668	668	667	667	669	668	667	668	668	668	668	669	667	668	668	668	668	668	667		
JMJG	U004	903	904	892	854	854	790	785	787	785	789	786	788	789	785	853	854	870	903	902	904	903	903	904	902	904	903	904	903	904	903	904	902	904	902	902	902	901	900	902	901	904	902	906	900	903				
JMJG	U005	977	895	884	848	848	779	779	783	782	779	781	781	779	782	779	781	782	780	780	854	852	873	962	960	960	962	961	962	958	961	962	961	957	960	963	958	958	961	960	979	980	980	977	975	977	977	955		
PKLG	U003	282	282	282	281	281	283	282	283	279	281	282	282	282	282	270	206	206	270	280	281	283	282	283	282	282	281	279	277	277	284	282	282	282	284	282	284	283	282	284	282	284	281	284	282	283	283	283		
PKLG	U004	281	280	273	280	278	275	278	277	278	278	279	279	279	279	270	253	245	273	281	279	275	279	281	278	280	277	281	277	275	282	277	275	269	275	278	277	278	278	277	275	277	277	277	274	274	274	274		
PKLG	U005	466	470	468	467	467	464	466	468	466	465	466	465	470	469	450	370	271	308	390	468	466	465	467	466	468	466	468	469	469	467	469	468	469	466	467	467	467	466	462	466	465	466	466	466	466	466			
PKLG	U006	449	450	448	448	449	448	447	449	449	447	447	448	447	448	451	449	449	449	450	447	447	451	449	449	449	447	447	443	447	446	447	448	448	451	449	449	448	447	449	447	447	444	446	449	446	446	446		
TBIN	U001	689	689	689	688	688	689	687	689	689	689	684	688	689	689	686	687	689	689	689	690	689	687	688	689	689	689	689	689	689	690	689	692	687	684	689	687	690	690	688	689	689	687	689	686	689	689	691		
TBIN	U002	694	690	694	690	692	692	687	692	692	690	692	693	690	694	692	692	694	691	691	691	693	684	695	690	693	691	694	688	690	693	691	693	690	687	690	693	691	692	690	691	691	690	691	690	693	692	694	690	
TBIN	U003	692	691	692	692	691	693	692	693	691	692	691	695	692	692	692	693	693	693	692	692	691	691	691	692	692	693	692	690	691	692	692	692	688	692	692	692	692	692	692	691	692	693	691	690	691	692	691	692	691
TBIN	U004	981	982	965	904	904	904	853	817	779	782	781	782	783	783	782	784	782	783	782	864	954	963	964	963	962	962	962	963	961	962	963	962	962	962	961	963	963	963	982	982	983	983	982	982	982	982	983		
Total ST-Coal		110931	110221	108401	106721	106601	105341	102441	102311	102341	101481	100811	100711	110020	10021	9948	9748	9659	9894	100831	103991	106271	107321	108271	108131	108241	108391	108231	108481	108441	109241	109771	110051	110021	109981	109861	110141	109901	110131	110001	107711	110781	110731	110711	110711	110691	110801	110641	11042	
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	0
CBPS	BLK2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	5	12	12	0	0	0	0	0	0	13	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GLGR	GT01	102	102	102	100	102	99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GLGR	GT02	101	101	102	101	102	98	98	110	98	98	98	98	98	98	98	98	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105
GLGR	ST1C	89	89	88	89	89	89	50	45	45	45	45	45	45	45	45	45	45	45	45	47	47	47	47	47	47	47	50	50	40	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	
NPRI	BLK1	508	521	521	523	511	524	524	529	518	497	385	413	438	329	329	321	345	517	521	527	519	529	525	526	524	521	514	523	519	515	518	517	515	517	504	517	516	463	410	524	522	523	524	526	517	528	529	524	
PCGP	PGRG	571	598	599	602	580	602	604	615	591	602	602	602	602	602	400	400	400	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600
PGLA	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	122	138	195	195	192	185	160	163	163	162	158	162	163	160	164	202	213	212	213	212	161	166	0	0	0	0
PGLA	GT12	175	169	168	171	166	171	170	173	168	172	171	172	171	170	166	168	176	171	239	239	237	239	238	242	241	213	218	218	216	208	183	185	186	184	180	185	186	183	187	227	236	238	237	238	185	189	210	208	
PGLA	ST10	102	88	88	90	88	88	90	88	88	88	89	89	89	88	88	88	88	89	110	108	110	110	111	100	93	228	230	218	210	204	216	204	205	202	203	199	204	217	233	236	236	234	201	118	99	99	99	99	
PLPS	GT11	129	129	128	129	129	129	130	129	129	129	129	129	128	129	128	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129		
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PLPS	ST18	57	57	58	57	57	57	56	56	56	56	56	56	56	57	56	57	56	57	57	58																													

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
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	HY02	11	11	11	12	11	12	12	12	12	12	12	12	12	12	12	12	12	12	11	12	12	12	12	12
CEND	HY01	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	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
HTRG	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	65	-1	-1	-1	64	64
KNRG	HY03	24	24	24	25	24	24	24	25	24	24	24	24	24	24	24	24	24	24	23	24	24	24	24	25
KNYR	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
KNYR	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
KNYR	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	HY04	55	55	55	60	56	60	59	61	59	61	59	61	60	98	97	100	99	101	101	98	101	100	99	101
LPIA	HY01	25	24	24	24	22	20	20	20	20	17	17	17	17	17	21	21	21	21	18	18	18	18	18	18
MNOR	HY01	6	6	6	6	4	4	4	4	4	4	4	4	4	4	4	6	6	6	6	6	5	5	5	5
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	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
SIHY	HY01	51	51	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30	30	30	30	30
SIHY	HY02	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	23	30	30	30	30	30	30	30	30
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	-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	30	32	33	33	31	33	33	33	32	33	33	33	33	33	32	33	33	33	32	32	31	31	27	31
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	HY01	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
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		267	268	168	175	163	168	167	170	166	166	165	167	166	495	508	530	502	533	511	565	621	661	752	863
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
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
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
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	8	9	9	8	7	7	7	9	7	7	5	5	5	5	6	5	7	6	6	7	5	5	6	5
PCUF	CUFK	4	7	4	4	6	6	4	6	5	6	4	5	4	5	3	7	7	5	5	6	3	4	4	6
Total Co-Gen		12	16	13	12	13	13	11	15	12	13	9	10	9	10	9	12	14	11	11	13	8	9	10	11
Total Gen		15088	14789	14445	14221	14004	13847	13484	13364	13238	13142	13001	13053	13003	13164	12885	12712	12648	13466	13888	14371	14773	15042	15205	15369
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

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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