

Daily System Generation Summary on Saturday

Saturday, March 28, 2020

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,347 MW
Distillate	0 MW
Total TNB	2,347 MW
Total IPP	18,345 MW
Total Co-Gen	0 MW
Total System	22,523 MW

Generation Mix

Type	MWh	Percentage
Hydro	10,579	3.89 %
Gas	11,811	4.34 %
Total TNB	22,390	8.23 %
ST-Coal	185,449	68.19 %
LSS	2,736	1.01 %
Gas	62,449	22.96 %
Total IPP	250,634	92.15 %
Co-Gen	243	0.09 %
Total Co-Gen	243	0.09 %
Total Generation	273,267	100.47 %
PLTG	564	0.21 %
HVDC	724	0.27 %
Interconnection	1,288	0.47 %
Net Energy	271,979	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:	21:30:00 Hour
Total Set On Bus	14,942 MW
TNB Generation	1,064 MW
IPP Generation	12,077 MW
Spinning Reserve	1,790 MW
Maximum Demand	13,108 MW
Net Energy	271,979 MWH
Load Factor	86.45 %

Fuel Cost

Total Cost:	42,653,319.21 RM
Cost per Unit	15.61 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	108
Hydro	298
Syncon	630
Thermal	750
Total	1,786

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	35
TJGS	51
Total TNB	87
CBPS	55
NPRI	152
PLPS	67
YPKA	47
Total IPP	321
Total Gas	408
Total Gas Required	408

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	12457	11926	11415	10981	10615	10302	10123	10000	9520	9909	10225	10620	10835	11030	11453	11722	11761	11668	11426	11667	13055	13084	13056	12975

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, April 02, 2020 11:34:03 AM
(Ir. Shanmugam Thoppalan)
Pengurus Besar Kanan
Jabatan Sistem Operasi

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	603	604	604	603	604	603	604	603	572	562	523	520	470	472	398	432	406	318	300	377	400	402	444	447	452	451	451	501	501	561	617	628	627	627	628	627	628	627	628	629	651	693	693	692	693	693	691	692	689	694
JMAH	U002	603	603	603	604	603	604	583	564	522	522	472	473	404	433	406	320	304	302	303	302	302	300	303	303	302	303	303	306	304	360	353	353	352	355	354	353	351	352	353	353	498	677	695	695	691	691	693	695		
JMHE	U001	797	800	780	781	778	782	781	781	778	780	778	777	780	781	781	780	780	776	780	780	778	779	785	780	780	782	780	782	780	779	779	779	779	779	782	780	780	780	782	782	816	807	811	809	810	809	811	810	810	
JMHE	U002	796	798	779	779	781	780	780	780	778	782	779	779	781	780	780	780	779	778	779	781	779	779	783	779	780	780	784	780	777	779	779	779	779	782	780	781	780	780	814	810	811	811	811	811	812	809	812			
JMJG	U002	547	508	478	482	466	447	416	420	421	418	418	419	416	419	419	420	416	447	497	497	499	570	640	672	671	674	671	669	671	672	673	673	596	591	593	598	591	637	671	672	673	667	672	672	667	669	670			
JMJG	U003	543	514	468	475	457	414	416	415	418	414	417	416	416	416	415	416	416	436	486	484	495	497	541	600	646	657	666	662	665	658	662	666	665	593	594	596	595	595	625	661	665	667	661	662	663	662	663	665		
JMJG	U004	804	804	787	786	786	783	785	785	782	785	787	785	788	785	785	786	785	786	787	786	785	786	785	787	786	785	786	785	786	787	786	787	786	787	786	786	786	785	803	810	813	810	813	810	813	812	810	811	811	
PKLG	U003	282	287	280	283	263	208	184	145	144	146	144	146	146	145	146	145	146	146	145	146	146	145	208	280	283	284	281	283	281	282	282	285	283	282	210	205	206	213	278	280	281	281	281	278	279	283	283	281	283	
PKLG	U004	280	280	280	279	263	226	190	170	152	149	146	149	145	146	146	148	147	147	148	149	146	211	252	280	282	276	280	279	281	281	279	283	285	226	210	206	207	206	253	278	279	281	279	281	277	279	280	280		
PKLG	U006	441	447	449	446	447	437	434	438	439	450	450	447	449	451</																																				

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																			
MNOR	HY01		2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	3								
PGAU	HY01		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	22	79	76	80	78	78	77	95	109	107	108	108	110	110	111	21	-1	-1	80	108	-1	-1	-1	-1	-1	-1		
PGAU	HY02		21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	-1	-1	20	80	80	79	80	79	21	21	112	110	111	110	113	112	112	82	81	-1	82	110	20	-1	-1	-1	-1	-1	-1
PGAU	HY03		81	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	-1	-1			
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	0	0	0	0	0	0	0	0	30	51	51	31	31	31	31	31	31		
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	0	0	0	0	0	0	0	0	50	50	50	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	0	0	0	0	0	0	0	0	17	25	25	25	25	17	17	17	17		
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	0	0	0	0	0	0	0	17	25	25	25	25	17	17	17	17	
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	0	0	0	0	0	0	0	17	25	25	25	25	17	17	17	17	
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	0	0	0	0	0	0	0	17	25	25	25	25	17	17	17	17	
TMGR	HY01		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	82	31	72	72	72	73	72	72	73	62	61	-1	-1	-1	-1	62	61	34	-1	-1	-1	-1	-1	-1		
TMGR	HY02		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	66	65	34	34	33	34	34	2			
TMGR	HY03		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	70	70	71	71	70	71	70	32	60	60	32	32	0	0	60	60	33	33	0	0	0	0		
TMGR	HY04		41	41	40	39	39	41	41	41	41	39	40	38	52	41	41	39	41	39	39	41	41	85	41	73	42	80	83	83	82	41</													

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	
S.Reserve Total		2355	2512	2598	2862	2674	2552	2552	2575	2553	2670	2595	2704	2447	2470	2480	2552	2435	2434	2504	2239	2221	1598	1767	1771	1685	1698	1685	1711	1702	1708	1536	1735	1840	1914	1958	2097	2178	2180	2255	1675	1477	1741	1719	1791	1823	1931	2008	2232