

Daily System Generation Summary on Sunday

Sunday, October 28, 2018

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,802 MW
Hydro	1,931 MW
Distillate	0 MW
Total TNB	4,733 MW
Total IPP	15,083 MW
Total Co-Gen	0 MW
Total System	20,102 MW

Generation Mix

Type	MWh	Percentage
Gas	35,934	11.29 %
Hydro	11,049	3.47 %
Total TNB	46,983	14.76 %
ST-Coal	196,321	61.67 %
Gas	74,782	23.49 %
Total IPP	271,103	85.16 %
Co-Gen	962	0.30 %
Total Co-Gen	962	0.30 %
Total Generation	319,048	100.22 %
PLTG	-39	-0.01 %
HVDC	726	0.23 %
Interconnection	687	0.22 %
Net Energy	318,361	100.00 %

Maximum Demand Record

Date: 8/15/2018	18,338 MW
Date: 8/15/2018	388,524 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:00:00 Hour
Total Set On Bus	16,398 MW
TNB Generation	2,327 MW
IPP Generation	12,508 MW
Spinning Reserve	1,523 MW
Maximum Demand	14,873 MW
Net Energy	318,361 MWH
Load Factor	89.19 %

Fuel Cost

Total Cost:	61,020,970.48 RM
Cost per Unit	19.81 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	591
Hydro	464
Syncon	647
Thermal	70
Total	1,772

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	47
TJGS	207
Total TNB	255
KLPP	92
NPRI	153
PLPS	87
PTEK	1
SGB3	49
SKSP	1
YPKA	65
Total IPP	450
Total Gas	704
Total Gas Required	704

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	14122	13442	13012	12655	12334	12150	12187	11820	11431	12116	12878	13423	13444	13362	13646	13749	13749	13451	13149	13936	14873	14855	14645	14182

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, October 29, 2018 10:31:15 AM

(Ir. Shanmugam Thoppalan)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Sunday

		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		691	695	692	692	692	690	693	694	689	693	693	695	691	693	693	695	689	695	700	692	694	692	693	692	691	692	693	691	692	691	693	692	692	695	693	692	695	691	694	691	694						
JMAH	U002		694	702	695	695	697	697	698	697	698	697	696	693	697	696	697	695	696	695	696	695	696	696	696	696	697	693	696	709	696	697	703	695	697	697	701	696	696	696	694	698							
JMJG	U002		668	667	666	668	671	671	671	671	672	673	673	672	666	671	670	672	666	666	666	663	666	667	662	667	667	668	668	668	666	667	668	666	669	662	667	665	668	663	670	667	666						
JMJG	U003		585	615	633	634	635	637	672	673	672	673	670	671	672	671	674	673	670	666	668	670	671	660	660	660	662	665	660	671	663	666	661	662	661	663	662	659	666	667	659	662	663	666	662	662			
JMJG	U004		887	804	787	785	787	788	787	788	787	788	786	788	788	789	790	788	786	788	788	791	789	787	858	855	856	855	856	861	852	856	857	858	857	884	955	954	952	951	952	951	952	952	952				
JMJG	U005		980	860	779	779	778	782	780	782	783	778	788	788	782	780	778	782	778	782	782	779	785	779	782	783	782	860	851	848	849	850	849	853	852	849	848	954	954	951	950	951	956	952	949	951			
PKLG	U003		281	283	282	279	284	285	280	282	281	277	282	281	283	281	282	285	283	284	283	280	279	278	284	281	281	280	277	281	281	283	282	278	279	279	279	280	282	282	284	282	283	281	280	281	283	283	282
PKLG	U004		280	280	282	281	281	279	280	280	280	279	279	279	280	285	281	281	280	279	280	278	281	280	279	279	282	280	277	277	281	279	280	279	280	279	278	274	278	279	279	278	279	278	280	278	279	281	280
PKLG	U005		468	470	468	466	467	468	470	471	468	466	470	470	470	476	467	470	470	472	470	468	468	470	475	469	467	468	470	467	463	470	466	469	464	464	342	400	454	467	468	467	465	468	474	463	469	483	472
PKLG	U006		468	470	472	469	470	474	469	472	468	468	470	470	470	470	472	466	472	469	472	462	467	468	470	470	467	470	468	472	470	469	470	469	471	461	469	469	467	465	473	463	467	473	463	473			
TBIN	U002		692	692	692	692	693	693	693	693	692	693	695	691																																			

Daily MW Generation on Sunday

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	
PTEK	GT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	93	29	0	0	0	0	0	0				
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	0	0	0	0	0	0	0	0	0	0	0	0	0	93	29	0	0	0	0	0	0			
BSIA	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	0	0	0	0	0	0	0	9	11	10	11					
BSIA	HY02	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12				
CEND	HY02	9	9	8	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	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	10	10	10	10	10	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	10				
CEND	HY04	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	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	-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	-1	-1	-1	-1	-1	-1	-1	-1	-1				
HTRG	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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1				
KNRG	HY01	22	22	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	14	0	0	0	0	0	0	21	22	22	22	22	22	22	22	23	22	22	22	22	22	22			
KNRG	HY02	38	38	38	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	0	0	0	39	39	39	39	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38		
KNRG	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	39	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
KNYR	HY01	95	61	61	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	99	98	99	98	98	98	99	99	98	98	98	98	98	98	98	98	98	98	98	98	98			
KNYR	HY02	97	60	59	98	98	62	59	59	99	95	60	59	70	63	59	59	60	63	56	58	58	56	56	59	59	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97		
KNYR	HY03	95	60	58	61	60	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	56	56	58	59	98	99	99	99	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98			
KNYR	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	0	0	0	0	0	0	0	0	0	0	0				
LPIA	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	0	0	0	0	0	0	0	15	15	20	20	20	20		
MNOR	HY01	6	6	6	6	6	6	4	4	3	3	3	3	3	3	3	3	3	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5			
PGAU	HY01	22	22	22	22	22	22	21	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	-1	-1	19	15	22	-1	-1	-1	21	21	21	21	21	21	21	21	21	21	21	21	19	18	21	18		
PGAU	HY02	21	21	21	21	21	21	21	21	22	21	22	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21			
PGAU	HY04	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	22	22	23	23	22	22	23	22	22	22	22	22	22	22	22	22	22	22	22	21	22	21	22	22	22	22			
SIHY	HY01	30	30	30	50	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	51	51	51	51	0	0	0	0	51	51	51	51	51	51	0	0		
SIHY	HY03	30	30	30	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51			
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	17	17	17	17	17	17	17	17	17	17	17	17	0	0	0	0	25	25	25	25	25	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	25	25	25	17	17	17	17	17	17	17	17	17	17	0	0	0	0	25	24	24	24	24	0	0		
SYPS	HY03	17	17	17	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	17	17			
SYPS	HY04	17	17	17	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	17	17		
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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1				
TMGR	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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1				
TMGR	HY04	33	33	33	33	33	33	32	32	33	33	33	32	33	33	33	33	33	33	33	33	30	33	33	33	33	31	32	33	33	31	33	33	33	33	30	32	32	32	33	33	32	31	32	31	30	33	29	33
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	-1	-1	-1	-1	-1	-1	-1	111	87	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1				
UPIA	HY01	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	0	0	0	0	0	0	0	7	7	7	7	6	6	6	6	6	6	6	6	6	6	6	6			
UPIA	HY02	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	0	0	0	0	0	0	0	0	0	0	0	4	4	4	4	4	4	4	4	4	4	4	4	4		
Total Hydro		590	462	458	536	374	227	219	221	262	257	223	221	232	225	221	221	223	275	267	272	272	281	400	401	393	415	529	530	533	560	578	631	633	633	629	662	587	561	585	674	699	697	712	711	722	614	606	615
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		
PCUF	CUFG	20	20	18	21	19	20	20	20	19	19	19	19	19	19	21	20	20	18	17	18	17	15	15	17	16	16	16	16	15	16	16	17	15	17	19	18	18	17	17	18	16	17	18	19	18	18		
PCUF	CUFK	24	22	23	22	22	21	24	22	24	23	23	22	22	21	22	22	25	23	22	22	23	23	23	21	23	21	21	23	21	22	23	22	22	22	23	22	21	23	22	21	23	22	22	22	22	22		
Total Co-Gen		44	42	41	43	41	41	44	42	43	42	42	41	41	40	43	42	45	41	39	40	40	38	38	38	38	39	37	37	39	37	37	39	38	39	41	40	41	39	38	40	37	40	40	41	40	40		
Total Gen		14107	13808	13460	13267	13022	12821	12659																																									

Daily MW Generation on Sunday

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 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		10	12	13	11	13	13	10	12	11	12	12	13	13	14	11	12	9	13	15	14	14	16	16	16	16	15	17	17	15	16	17	17	15	16	15	13	14	13	15	16	14	14	17	14	14	13	14	14	14
Syncon		610	610	610	610	610	711	711	711	711	711	711	711	711	711	711	711	711	862	862	862	711	610	610	610	761	761	761	761	610	610	610	610	610	423	423	610	610	610	610	610	610	610	610	610	610	610	610	610	
Hydro		532	510	514	399	361	357	365	362	321	326	360	362	351	358	362	363	361	359	366	360	360	491	561	559	529	456	343	342	339	463	490	488	486	486	490	544	569	477	473	469	476	478	478	479	468	492	500	491	
S.Reserve Total		1996	1841	2091	1783	1676	1832	1991	2173	2390	2402	2532	2588	2481	2449	2777	3258	2815	2468	2429	2475	2170	2020	1907	1804	1809	1972	2144	1995	1904	1846	1821	1841	1890	1922	2130	2037	2164	2534	2104	1513	1523	1548	1447	1532	1645	1692	2001	2003	