

Daily System Generation Summary on Tuesday

Tuesday, December 25, 2018

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,404 MW
Distillate	0 MW
Total TNB	2,404 MW
Total IPP	16,429 MW
Total Co-Gen	65 MW
Total System	22,272 MW

Generation Mix

Type	MWh	Percentage
Hydro	8,797	2.75 %
Gas	36,862	11.54 %
Total TNB	45,659	14.30 %
ST-Coal	196,631	61.58 %
LSS	629	0.20 %
Gas	74,335	23.28 %
Total IPP	271,595	85.05 %
Co-Gen	1,445	0.45 %
Total Co-Gen	1,445	0.45 %
Total Generation	318,699	99.81 %
PLTG	75	0.02 %
HVDC	-697	-0.22 %
Interconnection	-622	-0.19 %
Net Energy	319,321	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:	20:30:00 Hour
Total Set On Bus	16,147 MW
TNB Generation	2,503 MW
IPP Generation	12,286 MW
Spinning Reserve	1,292 MW
Maximum Demand	14,926 MW
Net Energy	319,321 MWH
Load Factor	89.14 %

Fuel Cost

Total Cost:	59,035,622.79 RM
Cost per Unit	19.55 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	474
Hydro	232
Syncon	998
Thermal	340
Total	2,044

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Cloudy	27

Gas Usage

Station	(mmscfd)
GLGR	49
TJGS	212
Total TNB	261
CBPS	53
KLPP	51
NPRI	151
PGLA	88
PLPS	44
PTEK	4
SGRI	8
SKSP	48
Total IPP	447
Total Gas	708
Total Gas Required	708

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	14318	13719	13339	12961	12500	12302	12225	12025	11567	12071	12751	13231	13255	13253	13609	13605	13636	13465	13364	13873	14821	14691	14495	14322

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, December 27, 2018 9:50:58 AM

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

Daily MW Generation on Tuesday

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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JMJG	U001	672	672	672	670	672	672	672	670	670	667	671	668	669	671	672	672	666	676	671	673	668	671	678	673	670	668	668	667	671	668	672	669	674	669	672	684	662	666	667	665	665	666	666	667	672	668	674	672																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
JMJG	U002	672	672	665	668	676	676	675	672	674	671	673	661	669	668	673	668	668	673	674	671	677	673	666	673	668	675	666	674	673	667	668	674	671	677	678	670	677	678	670	676	673	679	671	629	618	674	669	672	671	672																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
JMJG	U004	976	914	826	782	783	785	782	782	783	782	782	785	780	785	783	782	782	783	782	781	782	779	796	853	855	854	855	853	854	854	855	858	856	857	854	855	854	853	854	855	854	853	917	938	939	938	939	938	939	941	939	912																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
JMJG	U005	940	855	773	777	783	780	782	779	780	780	779	777	779	782	780	782	777	781	778	781	782	809	856	853	848	850	848	852	850	853	851	851	850	854	847	850	848	849	849	939	933	934	934	936	934	938	935	937	900																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
PKLG	U003	283	288	284	282	278	280	281	280	282	281	280	285	287	284	283	283	216	206	284	282	282	283	281	282	282	280	281	283	274	282	282	281	285	282	281	282	280	280	282	282	278	277	279	280	281	280	278	280																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
PKLG	U004	279	280	280	282	280	280	279	278	276	278	279	279	279	280	282	283	282	218	213	251	279	281	280	280	281	279	278	276	278	275	276	277	279	277	279	280	281	280	280	280	279	279	280	281	282	281	280																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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Daily MW Generation on Tuesday

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
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
CEND	HY01	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
CEND	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
CEND	HY03	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	63	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	101	100	125	125
HTRG	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	99	100	125	124
KNRG	HY02	26	26	26	26	26	25	26	25	26	25	25	25	25	25	26	25	26	26	25	25	26	25	26	25
KNYR	HY03	60	60	60	59	59	59	58	58	57	58	57	58	57	56	57	58	58	57	58	58	60	57	61	59
KNYR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
LPIA	HY01	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
LPIA	HY02	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
MNOR	HY01	7	7	7	7	7	7	7	7	7	7	4	4	2	2	2	2	1	1	3	3	3	3	3	3
PGAU	HY01	23	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY02	80	0	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY04	23	22	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY01	51	51	51	51	50	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
SIHY	HY03	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	17	17	17	17	17	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY02	17	17	17	17	17	24	24	24	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY03	17	17	17	17	17	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY04	17	17	17	17	17	25	25	25	25	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	34	34	34	34	34	34	33	34	34	32	34	33	33	30	33	32	33	34	34	33	34	34	32	32
TMGR	HY04	-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	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	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
UPIA	HY02	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Total Hydro		557	388	410	364	363	394	395	392	393	294	293	292	294	294	292	186	180	186	184	184	187	186	206	240
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	1	5	7	14	18	20	22	23	24	12	22
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	14	23	29	33	33	36	19	41	46
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	12	21	28	36	40	40	37	50	43
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	19	42	65	83	93	95	96	93	96
PCUF	CUFG	15	18	18	21	22	20	21	21	23	24	25	24	26	26	26	26	27	25	26	24	22	22	21	20
PCUF	CUFK	32	37	38	39	38	38	39	38	38	38	39	39	38	38	41	39	38	38	39	38	35	35	34	34
Total Co-Gen		47	55	56	60	60	58	60	59	61	62	63	63	65	64	64	67	66	63	64	63	62	59	60	56
Total Gen		14319	13943	13666	13445	13284	13036	12911	12663	12488	12335	12276	12286	12161	12134	11979	11521	11487	11835	12041	12305	12686	12964	13159	13382
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	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		46	33	-8	2	-9	51	-5	29	34	-9	19	7	-19	31	-1	-20	-35	35	15	3	-20	-15	-27	-11
Interconnection		17	5	-37	-26	-39	22	-34	0	4	-39	-10	-23	-48	1	-30	-49	-64	5	-14	-27	-49	-44	-56	-41
System Total		14318	13954	13719	13487	13339	13030	12961	12679	12500	12390	12302	12325	12225	12149	12025	11586	11567	11846	12071	12348	12751	13024	13231	13439
SRev ST-Coal		166	355	384	381	376	377	375	383	382	388	382	301	380	341	360	388	442	434	409	376	380	386	376	373
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
SRev CCGT-Gas		424	437	467	609	347	406	311	543	647	556	619	692	705	776	1036	1478	1503	1170	1163	1096	730	512	613	426
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

Daily MW Generation on Tuesday

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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