

Daily System Generation Summary on Thursday

Thursday, October 10, 2019

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,339 MW
Distillate	0 MW
Total TNB	2,339 MW
Total IPP	14,834 MW
Total Co-Gen	65 MW
Total System	19,535 MW

Generation Mix

Type	MWh	Percentage
Hydro	13,292	3.69 %
Gas	42,371	11.78 %
Total TNB	55,663	15.47 %
ST-Coal	175,152	48.68 %
ST-Gas	7,966	2.21 %
LSS	2,427	0.67 %
Gas	117,589	32.68 %
Total IPP	303,134	84.25 %
Co-Gen	1,334	0.37 %
Total Co-Gen	1,334	0.37 %
Total Generation	360,131	100.09 %
PLTG	-418	-0.12 %
HVDC	729	0.20 %
Interconnection	311	0.09 %
Net Energy	359,820	100.00 %

Maximum Demand Record

Date: 4/18/2019	18,566 MW
Date: 4/18/2019	391,845 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	14:30:00 Hour
Total Set On Bus	18,956 MW
TNB Generation	2,811 MW
IPP Generation	14,410 MW
Spinning Reserve	1,682 MW
Maximum Demand	17,301 MW
Net Energy	359,820 MWH
Load Factor	86.66 %

Fuel Cost

Total Cost:	72,729,776.67 RM
Cost per Unit	20.19 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	412
Hydro	381
Syncon	784
Thermal	169
Total	1,746

Time	Weather	Temperature
Afternoon	Rainy	34
Morning	Sunny	25

Gas Usage

Station	(mmcsfd)
GLGR	11
PAKA	47
PGPS	38
TJGS	209
Total TNB	305
CBPS	53
KLPP	104
MPSS	46
PGLA	108
PKLG	80
PLPS	91
SGB3	86
SGRI	173
SKSP	51
YPKA	78
Total IPP	871
Total Gas	1,176
Total Gas Required	1,176

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	13987	13271	12835	12510	12291	12149	12630	12729	13218	14897	15830	16622	16477	16246	16911	17289	17132	16701	15868	15793	16422	16189	15685	15236

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, November 04, 2019 11:43:05 AM

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

Daily MW Generation on Thursday

		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	693	699	692	691	693	693	694	693	694	691	693	694	694	693	692	693	693	673	603	654	693	691	695	693	690	693	692	693	695	695	691	692	699	695	692	694	691	692										
JMAH	U002	693	695	693	694	695	695	692	694	692	692	694	693	690	692	693	695	695	693	694	694	695	680	653	653	653	652	652	653	653	654	653	694	692	694	695	692	696	693	693	694	693							
JMHE	U001	799	802	799	802	798	800	800	800	799	803	805	800	800	799	800	800	798	798	801	802	800	906	968	971	963	975	978	978	974	979	975	973	665	438	305	311	297	301	170	13	0	0	0					
JMHE	U002	751	750	750	752	750	749	750	751	751	753	754	749	750	749	750	751	749	751	752	748	750	746	749	753	752	750	987	740	749	748	751	748	746	749	748	747	749	750	750	749	750							
JMJG	U001	669	674	672	671	672	672	672	674	673	672	674	672	673	668	672	672	670	672	671	671	675	673	672	673	667	666	666	666	666	666	666	666	662	671	669	666	666	667	665	668	668	662						
JMJG	U004	975	973	976	941	855	783	782	783	782	783	782	783	782	783	782	962	982	980	983	978	976	974	977	979	977	976	977	977	975	972	972	975	976	974	975	975	974	974	976	976	972	974	976	947				
JMJG	U005	981	977	979	923	779	778	783	783	785	782	783	782	782	786	785	783	782	910	975	978	972	953	958	945	953	971	985	983	985	983	982	979	981	987	983	977	974	976	979	979	985	976	977	973	978	982	977	977
PKLG	U003	284	284	285	283	281	282	282	284	278	281	277	281	282	285	284	284	277	284	283	281	282	280	280	281	283	282	281	280	280	281	277	281	282	281	284	281	284	280	283	284	278	283	282	282	281	282	281	283
PKLG	U004	285	281	279	276	278	279	276	278	279	279	278	280	279	280	279	282	281	279	278	279	279	280	280	280	288	278	277	276	274	275	280	283	280	279	275	276	279	285	278	279	278	278	279	275	280	279	280	
PKLG	U005	465	464	462	465	412	357	378	427	471	464	468	467	470	466	468	468	466	466	467	468	468	466	468	468	468	468	468	468	468	466	468	468	466	468	468	466	466	465	466	470	468	467	466	465	466	465		
TBIN	U004	981	981	984	947	859	782	783	782	782	782	782	782	783	781	871	959	983	984																														

Daily MW Generation on Thursday

[illegible]

Daily MW Generation on Thursday

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 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
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	26	26	26	26	25	25	26	26	24	24	25	26	25	25	23	22	20	20	19	21	19	18	19	21
PCUF	CUFK	38	34	33	33	34	35	33	34	34	35	34	35	35	34	33	34	31	33	34	32	33	32	33	33
Total Co-Gen		64	60	59	59	59	60	59	60	58	59	59	61	60	60	58	59	58	55	56	51	53	54	51	54
Total Gen		13995	13576	13308	13078	12856	12771	12521	12379	12288	12282	12152	12386	12636	12951	12736	12606	13195	14277	14918	15471	15834	16260	16640	
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		30	30	30	30	30	30	31	31	31	31	31	31	30	30	31	31	30	30	30	30	30	31	31	
TIE-PLTG		-21	-16	6	-45	-9	-23	-20	-30	-33	-39	-28	-9	-24	42	-24	-48	-54	-14	-9	-60	-27	41	-12	
Interconnection		8	14	37	-14	21	7	11	1	-3	-8	3	22	6	73	7	-17	-23	17	21	-30	4	72	18	
System Total		13987	13562	13271	13092	12835	12764	12510	12378	12291	12290	12149	12364	12630	12878	12729	12623	13218	14260	14897	15501	15830	16188	16622	
SRev ST-Coal		127	123	132	258	416	413	417	405	365	367	362	364	362	365	372	359	374	293	146	131	130	114	102	
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	-1	
SRev CCGT-Gas		1205	1624	1947	2051	1920	1800	2074	2269	2399	2414	2438	2070	1822	1457	1663	1859	1175	885	542	736	448	382	416	
SRev ST-Gas		69	68	69	69	69	69	69	69	69	69	69	68	69	69	69	69	69	69	69	68	68	76	1	
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	
SRev Co-Gen		1	5	6	6	6	5	6	5	7	6	6	4	5	5	7	6	7	10	9	14	12	11	14	
Syncon		1102	1102	1102	1102	951	1102	1102	1102	1102	951	1102	1203	1203	1203	1203	1052	1203	1203	1203	1052	1102	915	915	
Hydro		229	230	264	264	395	248	248	248	247	385	249	279	278	279	278	385	258	257	259	258	427	279	332	
S.Reserve Total		2733	3152	3520	3750	3757	3637	3916	4098	4189	4192	4226	3988	3739	3378	3592	3730	3086	2717	2228	2411	2137	1956	1855	