

Daily System Generation Summary on Saturday

Saturday, October 20, 2018

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,527 MW
Hydro	1,920 MW
Distillate	0 MW
Total TNB	4,447 MW
Total IPP	16,533 MW
Total Co-Gen	0 MW
Total System	21,266 MW

Generation Mix

Type	MWh	Percentage
Gas	39,231	11.61 %
Hydro	11,810	3.49 %
Total TNB	51,041	15.10 %
ST-Coal	184,547	54.60 %
Gas	100,590	29.76 %
Total IPP	285,137	84.36 %
Co-Gen	1,097	0.32 %
Total Co-Gen	1,097	0.32 %
Total Generation	337,275	99.79 %
PLTG	-26	-0.01 %
HVDC	-698	-0.21 %
Interconnection	-724	-0.21 %
Net Energy	337,999	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:	19:30:00 Hour
Total Set On Bus	17,075 MW
TNB Generation	2,702 MW
IPP Generation	12,975 MW
Spinning Reserve	1,354 MW
Maximum Demand	15,751 MW
Net Energy	337,999 MWH
Load Factor	89.41 %

Fuel Cost

Total Cost:	65,049,494.99 RM
Cost per Unit	19.98 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	520
Hydro	286
Syncon	868
Thermal	167
Total	1,841

Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
CBPS	0
GLGR	49
PGPS	17
TJGS	214
Total TNB	280
CBPS	54
KLPP	93
MPSS	2
NPRI	152
PGLA	108
PLPS	68
SGB3	38
SKSP	45
YPKA	56
Total IPP	617
Total Gas	897

Total Gas Required 897

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	14284	13649	13147	12919	12488	12294	12412	12182	12247	13440	14326	14932	14925	14572	14907	15022	15014	14715	14408	14898	15573	15403	15078	14851

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, October 29, 2018 10:25:24 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	U001	0	0	0	0	0	0	0	0	19	133	202	210	239	349	350	353	356	352	456	606	601	683	700	700	706	699	695	692	692	695	691	706	693	692	694	692	692	694	691	694	692	693	689	692					
JMAH	U002	692	692	701	694	694	693	694	692	698	701	705	691	687	683	693	694	692	694	692	697	695	694	693	695	694	695	693	694	694	693	685	687	695	696	694	693	696	694	696	692	695	694	694	694	691				
JMJG	U001	669	670	672	669	672	672	670	669	581	501	427	414	420	568	641	664	669	668	675	668	674	671	667	671	671	671	673	667	669	672	667	670	668	671	668	668	672	671	671	668	671	673	671	671	669	634			
JMJG	U002	672	670	666	669	666	662	671	667	568	472	436	435	433	491	590	671	669	671	668	669	671	670	671	675	672	668	673	671	671	671	672	673	671	672	677	672	671	671	667	667	668	673	666	668	666	671			
JMJG	U003	681	682	681	681	664	667	667	669	564	434	411	411	410	504	615	669	666	667	667	668	662	662	669	666	668	667	669	666	669	667	662	665	668	666	671	668	672	667	669	668	665	667	668	665	666	667			
JMJG	U004	977	978	975	888	800	781	779	780	779	781	779	781	781	782	781	779	781	781	780	781	810	952	974	972	971	972	973	972	972	974	974	973	974	974	972	972	974	973	972	971	972	974	973	972	973				
JMJG	U005	981	979	982	882	774	777	781	782	782	780	782	781	781	780	783	779	782	779	782	782	814	904	900	900	900	900	899	900	899	902	899	901	901	900	900	900	900	901	901	900	902	900	900	901	900	901			
PKLG	U003	282	282	279	281	282	281	283	284	285	284	285	282	283	282	281	284	282	283	286	282	284	285	281	279	278	278	275	278	280	282	281	280	282	279	285	282	283	282	279	281	281	282	281	283	279	282	284		
PKLG	U004	280	282	282	282	279	278	279	278	279	277	281	282	282	280	279	283	280	281	282	281	280	279	280	278	275	275	270	278	279	282	283	283	282	283	281	282	282	280	279	281	281	279	281	275	279	279			
PKLG	U005	470	473	473	470	469	469	475	472	467	470	467	468	468	467	470	472	470	474	470	470	469	468	467	469	470	468	467	468	464	463	463	464	464	463	463	463	463	462	463	460	462	463	474	461	461	461			
PKLG	U006	469	470	469	468	468	469	469	468	468	469	469	469	472	472	470	471	470	471	471	471	470	469	470	465	470	466	470	469	472	472	469	471	470	466	466	470	472	469	469	471	471	468	467	472	472				
TBIN	U002	690	693	690	692	691	689	692	692	691	691	690	691	692	693	691	691	691	692	691	692	694	690	691	692	688	690	690	691	692	691	692	690	692	691	692	692	691	694	689	690	693	688	693	691	691	690			
TBIN	U003	691	690	692	692	691	692	690	690	692	690	691	690	694	691	691	692	691	690	691	692	690	691	692	690	690	691	692	691	692	692	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691				
Total ST-Coal		7554	7561	7562	7368	7150	7131	7149	7145	6848	6546	6419	6409	6423	6830	7179	7357	7385	7497	7507	7499	7577	7787	7904	8061	8046	8122	8141	8144	8156	8155	8147	8142	8138	8140	8151	8164	8152	8155	8138	8137	8147	8138	8148	8144	8131	8104	8105	8105	
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			
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			
CBPS	GT1B	62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	357	364	364	361	361	362	363	360	360	362	352	362	355	363	322	225	224	357	361	357	357	360	360	363	361	362	355	360	362	359	354	360	362	358	357	361	362	357	361	360	357	357	358	364	357	358	358		
GLGR	GT01	68	67	71	70	69	69	69	68	69	68	68	69	69	70	71	68	68	68	67	99	103	105	105	104	103	102	103	105	104	104	103	105	104	104	105	72	68	68	70	70	67	69	68	69	69	68	69	68	
GLGR	GT02	69	69	69	69	69	68	69	69	69	69	69	69	69	69	69	69	69	68	99	105	104	104	104	104	104	104	104	104	105	105	105	104	105	105	71	69	68	68	69	69	69	69	69	69	68	69	68		
GLGR	ST1C	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	85	92	93	93	93	93	93	92	92	92	92	92	92	93	79	70	70	70	70	70	70	70	70	70	70	70	70	70		
KLPP	GT13	123	62	0	0	0	0	0	0	0	0	0	0	0	0	0	7	96	116	136	139	137	133	136	116	112	120	128	141	130	135	140	137	114	115	113	121	146	146	146	146	145	147	147	146	106	0	0		
KLPP	GT14	133	135	152	118	119	78	79	74	76	75	76	79	107	79	78	75	76	112	126	147	151	149	144	145	124	123	136	138	151	139	145	149	146	125	127	123	132	155	155	155	155	156	156	156	156	158	155	0	0
KLPP	GT15	131	135	142	115	114	73	72	70	68	71	69	71	93	98	69	71	72	69	112	123	142	145	145	139	143	120	120	129	131	148	135	141	148	146	120	121	118	127	151	152	152	152	154	151	151	153	153	147	0
KLPP	ST17	186	182	130	113	119	86	82	81	81	81	83	94	106	82	91	86	89	168	185	198	197	197	196	196	187	183	187	191	195	195	195	199	199	183	191	183	195	203	204	204	204	211	204	203	204	199	158	0	
MPSS	GT01	89	90	91	93	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
MPSS	ST01	40	38	39	39	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
NPRI	BLK1	500	507	510	517	511	510	509	506	504	511	502	511	512	524	484	310	396	497	502	517	511	508	511	509	502	507	505	512	508	511	509	511	510	508	509	510	506	448	447	519	509	514	507	520	518	515	520	523	
NPRI	BLK2	503	509	511	517	511	511	509	506	510	512	503	512	512	524	485	307	395	499	502	509	511	508	512	509	505	506	505	512	511	512	510	512	512	508	508	512	507	448	446	523	511	516	508	521	518	518	519	523	
PCGP	PGRG	563	568	567	571	570	568	582	567	571	568	559	570	559	506	473	467	475	468	577	646	690	691	692	683	690	691	692	694	694	625	624	633	633	641	628	622	620	623	621	622	611	619	615	616	617	621	619	564	
PGLA	GT11	199	190	184	172	217	193	185	171	168	199	194	170	185	183	171	170	171	205	173	196	215	218	211	206	212	203	167	212	216	218	203	206	206	208	168	212	168	209	227	227	224	227	226	229	231	230	233	184	
PGLA	GT12	200	191	185	174	219	194	186	172	169	199	195	170	186	184	173	170	172	204	172	197	216	218	211	208	212	204	168	214	215	219	203	209	206	208	170	214	170	2											

2 of 3

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	