

Daily System Generation Summary on Saturday

Saturday, March 10, 2018

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,680 MW
Hydro	2,472 MW
Distillate	0 MW
Total TNB	5,152 MW
Total IPP	14,969 MW
Total Co-Gen	58 MW
Total System	20,179 MW

Generation Mix

Type	MWh	Percentage
Gas	46,807	13.75 %
Hydro	8,145	2.39 %
Total TNB	54,952	16.14 %
ST-Coal	180,986	53.15 %
ST-Gas	462	0.14 %
Gas	101,898	29.93 %
Total IPP	283,346	83.21 %
Co-Gen	1,401	0.41 %
Total Co-Gen	1,401	0.41 %
Total Generation	339,699	99.76 %
PLTG	-327	-0.10 %
HVDC	-482	-0.14 %
Interconnection	-809	-0.24 %
Net Energy	340,508	100.00 %

Maximum Demand Record

Date: 10/23/2017	17,790 MW
Date: 4/20/2016	372,457 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:00:00 Hour
Total Set On Bus	17,012 MW
TNB Generation	2,611 MW
IPP Generation	12,859 MW
Spinning Reserve	1,484 MW
Maximum Demand	15,586 MW
Net Energy	340,508 MWH
Load Factor	91.03 %

Fuel Cost

Total Cost:	62,425,788.10 RM
Cost per Unit	18.83 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	345
Hydro	569
Syncon	787
Thermal	85
Total	1,786

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
CBPS	18
GLGR	54
PAKA	7
PGPS	39
TJGS	228
Total TNB	346
KLPP	80
MPSS	44
NPRI	161
PGLA	113
SGRI	185
SKSP	58
YPKA	32
PKLG	5
Total IPP	679
Total Gas	1,025

Total Gas Required 1,025

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	14923	14202	13743	13258	13018	12600	12624	12598	12269	13390	14200	14855	14769	14477	14866	14926	14981	14852	14315	14350	15586	15361	15234	14817

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	695	696	698	695	696	695	696	697	694	695	696	695	696	695	694	694	696	697	694	695	696	696	704	696	695	696	697																										
JMAH	U002	692	693	697	693	694	690	693	691	694	694	693	694	695	693	694	696	694	691	694	692	694	693	695	694	694	694	694	694																									
JMJG	U001	668	673	667	673	672	672	671	672	671	673	672	670	672	675	669	673	671	672	671	670	672	670	678	673	672	671	672	672	671	673	678																						
JMJG	U002	667	677	676	679	675	675	677	673	677	674	677	678	677	678	676	678	676	677	683	672	674	678	677	677	677	677	677	677	677	678																							
JMJG	U003	667	667	667	670	670	667	668	673	666	666	668	666	668	667	668	662	662	667	668	670	662	662	664	664	668	667	664	668	666	671	664	667	668	668	667	666	669	672	665	653	668												
JMJG	U004	971	932	951	900	898	881	848	852	850	853	781	785	782	782	782	785	785	782	785	785	823	823	820	822	821	823	822	823	840	841	845	845	847	844	915	910	902	903	904	956	980	980	982	972	947	945	947						
JMJG	U005	963	933	951	899	904	878	854	843	851	854	779	779	777	775	783	775	790	779	780	781	781	822	822	820	823	818	819	820	820	840	842	841	840	844	844	925	901	902	901	911	981	981	983	981	963	952	950	952					
PKLG	U004	280	277	290	279	282	280	277	280	279	281	279	280	280	278	285	282	279	279	282	281	280	280	280	281	283	281	282	282	281	281	280	279	279	279	282	283	281	282	282	283	282	282	283	282	280								
PKLG	U005	468	470	474	467	468	468	467	468	467	467	466	468	466	466	470	468	467	466	464	472	465	466	466	466	467	468	467	465	467	466	467	469	469	463	469	469	470	467	467	467	464	467	470	468	468	466	466						
PKLG	U006	470	466	470	470	473	472	469	468	470	468	468	469	469	469	470	472	470	469	470	469	470	470	468	472	473	469	469	470	470	469	468	470	468	469	470	468	469	470	468	471	472	469	472	469	472	469	472						
TBIN	U003	690	689	689	689	689	689	692	692	691	692	691	690	690	687	692	692	691	691	692	691	691	690	691	690	691	694	690	692	691	692	689	690	691	690	691	690	690	982	981	982	981	970	951	953	952								
TBIN	U004	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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-Coal		7231	7173	7190	7114	7121	7068	7012	7007	7014	7014	6871	6874	6868	6866	6881	6942	7047	7060	7108	7162	7250	7408	7483	7544	7704	7780	7774	7770	7767	7812	7836	7850	7847	7841	7837	8068	8022	8006	8007	8038	8232	8256	8254	8261	8220	8170	8142	8177					
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	0	0	0	0			
PKLG	U001	286	227	150	141	101	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		286	227	150	141	101	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	GT1A	89	67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	89	87	87	87	87	87	86	88	88	87	87	87	87	87	87	87	87	87	87	87	100	99	99	98	97	96	87	88	88	87	87	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CBPS	ST1C	90	70	39	36	35	36	36	36	36	35	35	35	35	34	35	35	44	42	43	43	42	43	38	37	37	37	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GLGR	GT01	104	102	102	104	105	103	103	67	69	67	67	68	67	68	68	68	105	103	103	103	102	103	101	103	97	104	104	103	103	103	102	103	103	70	67	68	105	102	101	103	103	104	103	104	104	103	104	103	103				
GLGR	GT02	104	104	104	104	105	104	104	67	68	69	68	67	68	68	68	68	105	104	104	103	103	103	103	103	104	103	102	103	103	103	104	103	102	103	69	67	67	103	103	103	104	103	104	103	104	103	103	103					
GLGR	ST1C	94	94	94	94	94	94	94	75	71	71	71	71	71	71	71	93	94	94	94	95	94	95	94	95	94	92	95	95	96	95	96	95	96	95	96	95	95	79	72	71	94	95	94	94	94	95	95	95	95				
KLPP	GT13	147	148	142	144	142	143	142	126	117	111	112	116	115	140	143	142	142	142	142	142	146	145	146	147	147	147	148	147	146	147	148	148	148	148	149	148	147	125	119	131	146	138	122	123	137	123	145	138	148				
KLPP	GT14	121	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
KLPP	GT15	150	150	146	146	146	146	113	113	113	110	111	111	143	147	143	147	144	144	147	147	151	151	150	150	149	147	148	148	148	148	148	148	128	127	130	147	143	125	126	140	124	145	141	151	151	151	151	151					
KLPP	ST17	206	162	129	129	128	128	127	117	120	115	118	116	116	132	128	132	128	128	128	128	128	128	127	132	131	131	132	132	132	132	132	132	132	132	132	132	132	131	131	123	122	121	129	129	119	119	132	126	135	130	130		
MPSS	GT01	108	108	108	108	108	108	88	89	87	86	89	88	90	91	88	92	90	110	110	109	109	108	107	93	91	89	90	104	103	104	103	103	103	103	68	68	68	68	68	69	106	102	104	103	98	71	110	109					
MPSS	GT02	96	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	115	82	52	52	52	52	39	38	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37			
NPRJ	BLK1	513	514	514	515	517	543	543	541	541	544	543	541	545	541	542	503	505	505	513	515	515	513	527	528	504	504	505	504	505	501	516	516	514	514	514	514	514	514	514	516	516	517	519	521	526	526	528	529	533	533	532	503	
NPRJ	BLK2	515	517	517	515	516	548	548	545	549	551	550	548	550	547	549	507	505	506	517	517	516	515	532	532	531	529	506	505	507	505	521	520	519	520	519	520	522	521	524	524	525	528	531	532	534	536	538	540	542	505			
PAKA	GT4A	94	95	95	95	95	95	94	95	95	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PAKA	ST4C	42	42	42	42	42	42	42	42	42	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PCGP	PGRG	402	400	401	397	407	400	402	476	513	512	51																																										

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																											
Total Hydro		294	266	268	264	267	247	214	190	198	188	207	205	216	221	193	212	213	218	206	367	465	510	509	486	414	363	311	316	361	362	397	397	475	393	395	279	280	200	203	467	639	635	551	505	374	375	318	304			
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	0	0	0		
PCUF	CUFG	29	30	29	30	30	29	31	30	31	32	30	29	30	30	29	30	29	29	29	29	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	
PCUF	CUFK	29	30	29	31	30	30	31	28	29	31	28	30	30	30	29	31	31	31	30	29	28	30	30	30	30	29	28	27	28	29	28	27	28	28	27	28	28	30	30	32	29	29	28	29	30	28	28	27	28		
Total Co-Gen		58	60	58	61	60	59	62	58	60	63	58	59	60	60	58	61	62	62	60	59	57	59	59	59	58	57	56	55	56	57	56	55	56	55	57	57	58	59	62	58	58	57	58	59	57	57	56	57			
Total Gen		14888	14492	14170	13877	13669	13450	13213	12990	12983	12802	12619	12608	12598	12670	12531	12224	12203	12860	13354	13784	14223	14667	14863	14892	14742	14544	14480	14598	14874	14887	14939	14993	14955	15030	14842	14503	14311	14175	14263	15095	15528	15492	15309	15440	15171	14917	14780	14579			
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		
TIE-HVDC		-30	-29	-29	-30	-30	-29	-29	-29	-28	-28	-30	-30	-30	-29	-29	-29	-29	0	0	0	0	0	0	0	0	0	0	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-PLTG		-5	45	-3	36	-44	-4	-16	-106	-6	-23	47	-50	3	4	-36	25	-37	-4	-8	-42	23	-29	8	11	-27	-13	3	-40	8	-85	13	-2	-26	56	19	-27	25	-13	-58	-53	-28	-6	-22	-6	-33	-60	-9	-60			
Interconnection		-35	16	-32	7	-74	-34	-45	-135	-35	-51	19	-79	-26	-26	-67	-3	-66	-32	-36	-42	23	-29	8	11	-27	-13	3	-40	8	-85	13	-2	-26	56	-10	-56	-4	-42	-87	-83	-58	-37	-52	-35	-63	-89	-37	-89			
System Total		14925	14476	14202	13870	13743	13484	13258	13125	13018	12853	12600	12687	12624	12696	12598	12227	12269	12892	13390	13826	14200	14696	14855	14881	14769	14557	14477	14638	14866	14972	14926	14995	14981	14974	14852	14559	14315	14217	14350	15178	15586	15529	15361	15475	15234	15006	14817	14668			
SRev ST-Coal		154	212	195	269	261	276	275	270	269	278	154	151	157	159	144	163	143	165	167	145	155	97	132	96	116	107	113	117	120	75	89	75	58	64	68	77	63	79	78	47	3	-21	-19	64	15	65	93	58			
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	0	0	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		445	698	595	538	423	346	478	748	772	902	911	834	850	781	905	1295	1423	892	432	356	227	227	169	178	475	603	593	529	372	395	342	301	415	171	251	705	853	894	813	272	205	260	358	189	284	489	540	325			
SRev ST-Gas		0	42	37	37	35	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Syncon		1351	1351	1351	1351	1351	1200	1351	1351	1351	1200	1351	1351	1200	1351	1351	1200	797	626	626	626	626	777	1013	1013	1013	711	711	626	626	626	626	626	626	1099	1099	1351	1351	948	797	797	797	797	797	948	948	1049	1200				
Hydro		319	264	262	266	263	235	269	142	134	144	276	127	267	111	139	271	119	114	277	669	742	697	698	721	649	464	366	361	618	617	667	667	589	671	669	312	311	139	136	350	479	483	567	613	443	442	398	261			
S Reserve Total		2269	2567	2440	2461	2333	2238	2222	2511	2526	2675	2541	2463	2474	2402	2539	2929	3036	2522	2076	1965	1750	1647	1625	1621	2017	2187	2085	2020	1821	1798	1724	1669	1688	1532	1614	2193	2326	2463	2378	1617	1484	1519	1703	1663	1690	1944	2080	1844			