

Daily System Generation Summary on Saturday

Saturday, August 13, 2016

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,918 MW
Hydro	1,858 MW
Distillate	0 MW
Total TNB	4,776 MW
Total IPP	14,726 MW
Total Co-Gen	0 MW
Total System	20,066 MW

Generation Mix

Type	MWh	Percentage
Gas	30,752	9.47 %
Hydro	9,620	2.96 %
Total TNB	40,372	12.43 %
ST-Coal	177,826	54.74 %
Gas	105,902	32.60 %
Total IPP	283,728	87.34 %
Co-Gen	330	0.10 %
Total Co-Gen	330	0.10 %
Total Generation	324,430	99.87 %
PLTG	272	0.08 %
HVDC	-695	-0.21 %
Interconnection	-423	-0.13 %
Net Energy	324,853	100.00 %

Maximum Demand Record

Date: 4/20/2016	17,788 MW
Date: 4/20/2016	372,457 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:30:00 Hour
Total Set On Bus	16,188 MW
TNB Generation	2,196 MW
IPP Generation	12,715 MW
Spinning Reserve	1,264 MW
Maximum Demand	14,916 MW
Net Energy	324,853 MWH
Load Factor	90.75 %

Fuel Cost

Total Cost:	40,283,643.20 RM
Cost per Unit	12.80 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	374
Hydro	264
Syncon	682
Thermal	210
Total	1,530

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	59
PGPS	48
SRDG	6
TJGS	114
Total TNB	228
CBPS	55
KLPP	109
NPRI	151
PDPS	5
PGLA	113
PLPS	103
PTEK	16
SGRI	209
SKSP	28
Total IPP	789
Total Gas	1,017

Total Gas Required 1,017

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	14250	13617	13124	12628	12225	12066	12066	11923	11624	12764	13502	14110	14093	13858	14193	14341	14375	14054	13603	13570	14876	14761	14472	14287

Prepared By: Kannathason a/l Karuppiyah

Checked By: -Select Name-

Printed on: Sunday, August 14, 2016 1:41:28 AM
 (Gurcharan Singh)
 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	692	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691	691
JMAH	U002	693	692	697	694	694	694	694	694	694	694	694	694	694	694	694	694	694	694	694	694	694	694	694	694
JMJC	U001	670	670	667	668	672	669	671	672	668	669	670	673	672	672	667	670	670	668	671	671	671	672	671	671
JMJC	U002	671	506	496	412	396	401	387	335	324	288	145	0	0	0	0	0	0	0	0	0	0	0	0	0
JMJC	U003	664	667	666	665	669	667	666	667	668	667	669	672	671	667	669	665	666	673	667	668	670	672	662	667
JMJC	U004	902	903	903	900	811	805	782	779	782	781	780	780	782	782	783	782	785	782	785	781	782	813	903	900
PKLG	U003	282	280	281	281	283	281	281	279	279	281	280	280	282	281	283	283	281	281	283	279	281	279	281	281
PKLG	U004	281	281	279	279	277	277	277	277	277	279	279	280	281	281	279	282	281	279	277	279	280	280	281	281
PKLG	U005	468	468	467	467	468	468	464	468	468	468	466	468	464	464	465	468	469	465	466	466	469	469	469	469
PKLG	U006	470	469	470	466	469	472	469	472	466	472	469	469	469	469	472	469	469	469	472	469	471	469	472	
TBIN	U002	695	693	694	694	694	694	694	694	694	694	694	694	694	694	694	694	694	694	694	694	694	694	694	694
TBIN	U003	690	693	694	694	694	694	694	694	694	694	694	694	694	694	694	694	694	694	694	694	694	694	694	694
TBIN	U004	902	902	902	892	781	782	781	781	781	781	781	781	781	781	781	781	781	781	781	781	781	781	781	781
Total ST-Coal		8080	7915	7907	7803	7599	7595	7551	7503	7483	7457	7309	7173	7171	7168	7171	7167	7174	7173	7176	7173	7169	7201	7328	7403
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
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
CBPS	BLK2	361	361	362	361	357	357	362	363	361	361	362	362	360	362	363	363	361	297	362	362	361	360	360	360
GLGR	GT01	110	111	110	108	111	109	108	111	108	109	110	110	109	110	110	109	109	109	110	108	109	110	108	109
GLGR	GT02	109	109	109	109	109	109	109	109	110	109	109	109	109	108	109	108	108	107	107	106	106	105	105	106
GLGR	ST1C	97	97	97	97	98	98	97	97	98	97	97	97	97	97	97	97	97	97	97	96	96	97	96	97
KLPP	CT13	131	127	112	110	120	110	105	108	103	66	72	73	73	71	68	69	68	72	97	133	138	140	140	140
KLPP	CT14	141	141	141	141	131	131	126	126	118	118	89	89	82	82	82	82	78	78	86	86	125	125	140	140
KLPP	CT15	146	145	128	124	137	124	117	121	116	79	80	80	80	80	76	79	76	79	110	148	153	153	155	155
KLPP	ST17	192	192	184	180	188	180	179	179	176	144	140	140	141	141	142	142	136	136	172	188	196	196	199	199
NPRI	BLK1	373	347	377	321	452	494	386	519	463	426	430	432	430	428	427	398	399	450	477	463	510	528	484	529
NPRI	BLK2	505	506	503	497	505	508	498	507	463	427	430	434	430	427	427	398	398	449	478	464	509	528	485	531
PGLA	CT11	155	154	151	150	224	226	196	229	158	224	224	225	226	225	219	208	210	224	217	216	220	223	223	220
PGLA	CT12	157	154	150	150	226	226	196	228	159	226	227	226	226	225	219	208	211	223	218	215	220	221	223	222
PGLA	ST10	196	194	198	194	239	242	226	239	207	242	239	242	242	242	237	232	220	238	245	242	244	246	244	246
PGPS	GT3A	87	88	87	83	77	77	77	77	76	77	77	77	76	76	76	77	76	76	77	76	76	76	76	76
PGPS	GT3B	87	88	87	84	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77
PCPS	ST3C	84	84	84	84	73	73	73	73	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72
PLPS	GT11	132	116	115	100	65	65	62	65	60	64	65	70	70	65	65	65	65	65	65	113	131	135	136	135
PLPS	GT12	135	120	120	114	64	64	62	64	59	64	64	68	66	64	64	63	64	120	135	138	140	139	139	138
PLPS	GT13	128	113	112	109	64	64	61	63	60	64	64	66	67	64	63	63	63	65	109	127	131	134	131	131
PLPS	ST18	207	197	197	193	142	140	139	138	137	143	140	145	140	146	142	139	136	138	181	209	210	210	208	209
SGRI	CT11	113	113	112	112	112	110	69	68	68	67	67	68	68	68	67	113	121	128	139	139	135	136	122	137
SGRI	CT12	111	111	111	110	110	110	71	71	71	71	71	71	71	71	71	71	71	71	125	132	145	145	138	145
SGRI	CT13	119	113	115	111	119	122	113	68	68	68	68	68	67	67	67	67	68	118	122	129	137	133	133	123
SGRI	ST14	199	201	200	200	201	200	198	153	152	151	155	152	153	148	153	150	150	197	206	210	214	217	221	221
SGRI	GT21	112	112	113	113	111	111	112	67	68	68	68	68	68	67	107	113	122	137	137	133	137	115	132	137
SGRI	GT22	111	111	111	111	111	111	111	73	70	70	71	71	71	71	71	71	71	71	118	118	128	142	142	138
SGRI	CT23	113	113	113	113	112	112	113	68	68	68	68	68	69	69	68	68	68	108	113	125	138	138	134	137
SGRI	ST24	197	198	198	197	199	199	197	150	151	151	151	151	144	148	149	150	149	194	200	208	217	218	212	220
SKSP	BLK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TJGS	CT1A	221	184	130	106	74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TJGS	CT1B	210	177	101	100	65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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
TJGS	ST1C	246	238	155	151	47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TJGS	GT2A	210	184	184	184	184	184	184	184	184	184	217	217	217	137	135	211	211	211	211	211	211	211	210	210
TJGS	GT2B	206	181	181	181	181	181	181	181	181	181	211	211	211	211	211	211	211	211	211	211	211	210	210	210
TJGS	ST2C	254	239	236	236	236	236	236	236	236	255	255	255	255	212	212	256	256	256	256	256	256	255	255	255
Total CCGT-Gas		5955	5719	5484	5335	5320	5152	4923	4811	4498	4506	4489	4593	4569	4556	4534	4247	4220	4857	5321	5549	5818	5907	5861	6028
PDPK	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PTEK	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PTEK	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
SRDG	GT04	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 CCGT-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
BSIA	HY01	11	11	11	11	11	11	11	11	11	11	11	11	21	21	21	21	21	21	21	21	21	21	21	21
BSIA	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
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	-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	0	0	0	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	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
KNRG	HY03	23	23	23	22	23	22	23	22	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
KNYR	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
KNYR	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
KNYR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
KNYR	HY04	69	63	65	59	71	93	60	93	58	87	94	104	104	91	69	94	80	64	75	64	68	101	68	89
LPIA	HY02	13	13	13	13	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
MNOR	HY01	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
PGAU	HY01	23	23	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGAU	HY02	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	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
SIHY	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
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	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
SYPS	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
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	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
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	33	35	32	35	35	34	34	31	37	35	84	83	83	84	34	34	35	33	33	83	83	83	83
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Total Hydro		192	185	189	177	175	197	163	219	222	194	200	258	257	244	223	208	184	179	188	241	464	703	804	680
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
PCUF	CUFK	13	14	14	13	13	14	15	13	14	12	13	13	14	13	13	13	14	13	13	13	13	13	13	13
Total Co-Gen		13	14	14	13	13	14	15	13	14	12	13	13	14	13	13	14	14	15	14	14	13	13	13	13
Total Gen		14240	13833	13594	13328	13107	12958	12652	12546	12217	12169	12011	12037	12011	11981	11941	11635	11602	12223	12700	12977	13465	13824	14101	14221

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
TIE-HVDC		-28	-28	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-31	-29
TIE-PLTG		18	40	6	61	12	-9	53	27	21	57	-26	3	-25	25	47	8	7	-20	-35	28	-8	-18	20	20
Interconnection		-10	12	-23	31	-17	-38	24	-3	-8	29	-55	-26	-55	-5	18	-21	-22	-49	-64	0	-37	-47	-9	-9
System Total		14250	13821	13617	13297	13124	12986	12628	12549	12225	12140	12066	12063	12066	11986	11923	11856	11624	12272	12764	12977	13502	13871	14110	14230
SRev ST-Coal		178	222	220	215	369	373	417	440	449	439	444	395	397	400	397	401	394	395	392	395	399	367	240	165
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	11	11
SRev CCGT-Gas		821	1057	1292	1441	1456	921	1150	1262	1575	1567	1584	1480	1504	1517	1539	1826	1853	1216	752	524	605	516	562	395
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
SRev Co-Gen		7	6	6	7	7	6	5	7	6	8	7	7	6	6	5	6	6	7	6	6	7	6	7	5
Syncon		932	932	932	781	932	806	806	655	806	806	806	806	806	806	806	806	806	806	806	705	579	478	478	478
Hydro		254	261	257	270	121	93	134	229	200	103	97	39	40	53	74	89	103	118	109	157	174	161	160	260
S.Reserve Total		2192	2478	2707	2714	2885	2189	2512	2583	3036	2923	2938	2727	2753	2783	2823	3129	3162	2541	2664	1787	1763	1529	1460	1316