

Daily System Generation Summary on Thursday

Thursday, February 08, 2018

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	1,897 MW
Hydro	2,475 MW
Distillate	0 MW
Total TNB	4,372 MW
Total IPP	15,219 MW
Total Co-Gen	62 MW
Total System	20,227 MW

Generation Mix

Type	MWh	Percentage
Gas	27,598	7.93 %
Hydro	31,221	8.97 %
Total TNB	58,819	16.90 %
ST-Coal	177,504	51.02 %
Gas	109,074	31.35 %
Total IPP	286,578	82.36 %
Co-Gen	1,458	0.42 %
Total Co-Gen	1,458	0.42 %
Total Generation	346,855	99.69 %
PLTG	-386	-0.11 %
HVDC	-700	-0.20 %
Interconnection	-1,086	-0.31 %
Net Energy	347,941	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:	15:30:00 Hour
Total Set On Bus	17,607 MW
TNB Generation	3,103 MW
IPP Generation	13,248 MW
Spinning Reserve	1,198 MW
Maximum Demand	16,491 MW
Net Energy	347,941 MWH
Load Factor	87.91 %

Fuel Cost

Total Cost:	59,991,038.03 RM
Cost per Unit	19.01 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	350
Hydro	448
Syncon	392
Thermal	166
Total	1,356

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	28

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	13894	13179	12672	12260	12044	12011	12336	12380	12579	14318	15103	15811	15841	15537	16097	16383	16413	16203	15234	14876	15870	15868	15358	14963

Gas Usage

Station	(mmscfd)
GLGR	52
PGPS	37
SRDG	10
TJGS	109
Total TNB	207
CBPS	53
KLPP	96
MPSS	44
NPRI	78
PGLA	113
PLPS	95
PTEK	25
SGB3	34
SGRI	77
SKSP	51
YPKA	80
Total IPP	746
Total Gas	953
Total Gas Required	953

Alternate Fuel Usage

Station	(mmscfd)
Total	0

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 (Gurcharan Singh)
 Pengurus Besar Kanan
 Jabatan Sistem Operasi

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		
JMAH	U001	692	689	692	691	691	692	692	692	690	692	693	691	695	692	689	689	692	691	693	693	692	692	693	693	693	
JMAH	U002	693	695	695	693	694	695	694	694	695	693	694	692	696	691	688	695	694	695	695	695	695	693	694	692	693	
JMJG	U001	678	680	677	672	674	673	685	677	679	672	679	672	675	676	682	676	679	675	668	676	679	680	676	680	675	
JMJG	U002	668	672	668	671	670	668	671	667	672	675	677	669	668	665	665	688	679	673	662	672	682	674	658	674	679	
JMJG	U003	588	594	590	591	587	598	679	668	671	673	684	668	667	678	673	673	671	684	670	673	681	672	670	677	666	
JMJG	U004	904	872	516	499	497	494	498	495	491	491	491	490	487	488	486	480	560	658	718	805	892	981	952	950	952	
JMJG	U005	902	871	869	829	798	799	800	779	778	780	778	779	781	781	774	785	775	781	842	901	945	963	953	952	946	
PKLG	U005	470	469	468	468	473	470	466	468	469	469	469	469	470	470	468	466	469	468	466	466	471	466	467	470	472	
PKLG	U006	470	471	470	470	468	470	470	471	470	468	471	471	465	471	471	470	470	470	470	470	469	471	470	470	470	
TBIN	U002	692	691	691	691	691	693	692	691	691	692	694	692	692	692	692	686	691	690	690	690	691	690	687	690	690	
TBIN	U003	690	689	692	689	689	691	691	689	691	690	690	691	690	690	689	689	691	690	690	690	690	688	690	692	691	
Total ST-Coal		7447	7393	7028	6964	6932	6943	7038	6991	6999	6993	7019	6987	6984	6995	7007	7068	7180	7263	7432	7578	7669	7611	7635	7623		
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	
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	
CBPS	BLK2	372	371	366	359	375	381	375	331	299	243	220	302	312	364	357	364	361	369	362	360	368	362	362	360	362	
GLGR	GT01	68	68	75	67	68	68	69	67	68	67	68	69	68	68	68	68	69	69	69	101	99	101	99	99	100	
GLGR	GT02	67	68	75	67	68	67	68	68	68	68	68	68	68	68	68	100	100	101	99	99	100	100	100	100	100	
GLGR	ST1C	71	71	73	70	72	71	71	71	70	70	72	71	71	71	71	71	71	71	71	89	91	91	91	92	92	
KLPP	GT13	129	24	0	0	0	0	0	0	0	0	0	0	0	0	68	142	130	131	149	149	148	148	149	149	148	
KLPP	GT14	141	130	153	153	76	76	76	76	77	77	78	80	82	75	80	76	118	123	155	155	157	159	158	158	156	
KLPP	GT15	137	133	141	141	80	69	69	69	68	69	69	69	72	74	68	73	68	120	124	148	148	152	152	149	149	
KLPP	ST17	195	171	135	131	99	87	85	85	85	83	84	84	87	83	83	95	90	116	188	200	202	204	205	205	205	
MPSS	GT01	88	87	86	85	89	86	85	85	84	87	89	89	90	91	88	91	89	89	89	90	92	92	107	107	105	
MPSS	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	54	106	106	104	103	
MPSS	ST01	37	36	35	35	37	35	34	35	35	36	37	37	39	36	37	37	36	37	38	40	41	110	114	115	115	
NPRI	BLK2	515	517	518	516	517	516	517	519	518	518	475	507	508	507	506	505	507	509	505	508	506	506	507	507	506	505
PCGP	PGRG	397	393	392	388	400	300	268	266	268	264	265	269	268	354	400	405	397	407	419	400	403	406	430	409	399	
PGLA	GT11	237	237	231	229	233	173	170	176	168	169	169	168	192	184	169	171	169	223	235	233	231	231	230	230	228	226
PGLA	GT12	239	241	235	232	238	178	175	182	173	173	174	173	197	188	173	175	173	227	238	236	235	234	233	231	231	228
PGLA	ST10	255	253	248	246	253	207	205	210	205	205	207	207	213	208	205	205	205	234	254	254	254	254	254	254	253	252
PGPS	GT3A	70	70	69	68	70	69	69	70	69	69	69	69	69	70	70	69	70	69	70	93	94	93	94	93	94	
PGPS	GT3B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	57	74	95	96	95	95	95	
PGPS	ST3C	29	29	28	28	29	29	28	28	28	28	28	28	28	28	28	28	28	28	28	28	29	86	91	91	91	
PLPS	GT11	114	108	131	123	67	67	67	67	66	67	67	67	67	70	67	122	122	132	132	131	135	135	135	132	140	138
PLPS	GT12	119	116	138	113	65	65	64	63	64	65	64	64	63	67	64	66	63	126	135	135	139	140	140	137	141	138
PLPS	GT13	65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	144	129	129	130	131	131	129	136	138	
PLPS	ST18	180	130	138	133	94	92	87	90	91	91	89	90	91	89	112	112	205	206	207	208	206	207	209	209	207	208
SGB3	GT31	108	106	119	104	110	109	108	108	109	108	109	109	110	112	109	108	110	112	110	109	115	116	114	111	111	110
SGB3	ST34	58	56	59	55	57	59	56	56	57	57	57	57	57	57	57	57	57	59	57	59	59	59	59	59	59	59
SGRI	GT21	103	100	99	100	104	103	104	104	104	104	103	103	106	108	104	107	104	107	103	104	104	111	105	132	108	127
SGRI	GT22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	69	143	143	140	140	141	138	115
SGRI	GT23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	67	134	134	125	141	111	111
SGRI	ST24	62	62	58	60	60	63	61	62	62	61	62	62	64	62	62	59	62	65	128	134	136	137	208	207	202	213
SKSP	BLK1	248	219	219	220	239	281	223	233	218	220	219	220	229	246	217	221	220	346	254	300	345	346	341	327	334	346
TJGS	GT1A	223	213	190	182	236	232	173	193	137	141	155	164	236	234	187	139	182	230	234	230	226	225	229	216	211	228
TJGS	GT1B	218	209	183	172	220	218	167	184	131	135	151	161	220	218	180	134	174	223	218	216	220	220	217	210	208	217
TJGS	ST1C	243	232	211	216	229	244	225	194	178	178	188	186	241	241	231	183	218	249	239	248	252	257	250	252	251	252

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
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	3	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		1243	1211	1226	1152	1190	1232	1228	1235	1232	1250	1228	1228	1234	1238	1230	1229	1228	1262	1251	1395	1357	1480	1473	1520
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	CUFG	29	28	28	30	31	30	29	29	29	30	30	29	29	31	30	31	29	28	28	26	25	26	26	26
PCUF	CUFK	33	34	34	33	34	33	33	33	35	33	35	33	34	34	33	32	33	33	34	36	33	32	33	33
Total Co-Gen		62	62	62	63	65	63	62	62	64	62	65	63	63	66	65	65	62	62	62	60	61	59	58	60
Total Gen		13864	13398	13112	12785	12641	12383	12230	12172	11993	11959	11949	12049	12325	12482	12323	12357	12502	13856	14239	14666	15058	15417	15722	15857
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	-29	-29	-29	-29	-29	-30	-29	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29
TIE-PLTG		0	-43	-39	-9	-3	-20	-1	-4	-21	13	-33	14	18	22	-29	-51	-47	-65	-50	-21	-15	-69	-59	-64
Interconnection		-30	-72	-67	-37	-31	-49	-30	-33	-51	-17	-62	-15	-11	-6	-57	-80	-77	-94	-79	-51	-45	-99	-89	-93
System Total		13894	13470	13179	12822	12672	12432	12260	12205	12044	11976	12011	12064	12336	12488	12380	12437	12579	13960	14318	14717	15103	15516	15811	15950
SRev ST-Coal		86	80	82	89	91	80	55	102	94	100	74	106	109	188	185	179	110	123	140	-29	125	64	202	178
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	3	2	2
SRev CCGT-Gas		768	931	642	832	984	1293	1536	1554	1740	1784	1801	1667	1594	1252	1406	1442	1500	691	671	557	366	359	187	228
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		0	0	0	-1	-5	-1	0	0	-2	0	-3	-1	-1	-1	-4	-3	-3	0	0	0	2	1	3	4
Syncon		827	827	676	827	827	827	827	827	676	827	827	827	827	827	676	676	525	374	374	374	374	374	676	676
Hydro		62	69	205	128	90	48	52	45	48	181	52	52	46	42	50	51	52	169	180	187	451	478	485	431
S.Reserve Total		1743	1907	1605	1875	1989	2247	2470	2528	2707	2741	2751	2651	2375	2308	2464	2496	2486	1659	1667	1240	1316	1277	1249	1215