

Daily System Generation Summary on Wednesday

Wednesday, January 03, 2018

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,791 MW
Hydro	2,507 MW
Distillate	0 MW
Total TNB	5,298 MW
Total IPP	15,772 MW
Total Co-Gen	60 MW
Total System	21,694 MW

Generation Mix

Type	MWh	Percentage
Gas	35,746	10.71 %
Hydro	14,084	4.22 %
Total TNB	49,830	14.93 %
ST-Coal	184,718	55.36 %
Gas	97,923	29.35 %
Total IPP	282,641	84.70 %
Co-Gen	1,467	0.44 %
Total Co-Gen	1,467	0.44 %
Total Generation	333,938	100.08 %
PLTG	-334	-0.10 %
HVDC	589	0.18 %
Interconnection	255	0.08 %
Net Energy	333,683	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:	14:30:00 Hour
Total Set On Bus	17,391 MW
TNB Generation	2,770 MW
IPP Generation	13,079 MW
Spinning Reserve	1,479 MW
Maximum Demand	15,895 MW
Net Energy	333,683 MWH
Load Factor	87.47 %

Fuel Cost

Total Cost:	59,925,361.84 RM
Cost per Unit	18.74 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	583
Hydro	348
Syncon	766
Thermal	128
Total	1,825

Time Weather Temperature

Afternoon	Sunny	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	12915	12275	11938	11630	11367	11332	11890	11997	12437	14136	14905	15473	15453	15118	15568	15758	15744	15418	14439	14628	15269	15047	14410	13962

Gas Usage

Station	(mmscfd)
GLGR	50
TJGS	205
Total TNB	255

CBPS	52
KLPP	93
NPRI	146
PGLA	111
PLPS	83
SGB3	1
SGRI	52
SKSP	46
YPKA	73
Total IPP	657

Total Gas	912
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Total Gas Required	912
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Alternate Fuel Usage

Station	(mmscfd)
Total	0

Prepared By: Mohd Yusof bin Ismail

Checked By: Abu Bakar bin K.K. Ibrahim

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(Gurcharan Singh)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Wednesday

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	693	694	692	691	692	688	692	693	692	689	694	691	692	691	692	695	694	694	693	695	692	693	693	693	694
JMUG	U001	673	671	666	582	601	623	674	677	673	678	673	679	676	677	676	675	676	677	676	672	675	676	677	678	678
JMUG	U002	660	671	666	671	671	669	671	671	672	637	669	671	672	672	668	670	669	670	671	672	671	670	671	671	671
JMUG	U003	645	660	667	660	664	660	663	662	665	662	660	662	665	589	596	594	634	634	642	651	660	674	668	677	666
JMUG	U004	831	804	785	782	783	788	782	783	785	785	786	783	785	782	785	783	785	811	852	853	854	853	922	873	857
JMUG	U005	852	801	774	781	780	780	782	780	779	781	785	776	780	782	781	779	779	823	856	854	852	853	962	953	944
PKLG	U003	0	0	0	0	0	0	0	0	0	0	0	0	23	29	66	63	88	134	152	279	279	284	282	284	281
PKLG	U004	280	278	258	188	145	146	146	144	145	148	146	147	146	146	146	146	146	241	281	282	279	277	281	278	278
PKLG	U005	470	470	424	346	271	270	269	268	269	270	270	267	270	269	268	265	273	359	447	469	468	467	468	468	467
PKLG	U006	466	468	471	472	396	360	358	358	358	309	269	269	269	269	270	269	344	428	468	471	469	470	468	471	470
TBIN	U001	690	691	690	689	690	688	690	691	689	689	689	691	691	687	690	690	689	689	688	689	689	689	689	689	689
TBIN	U002	689	694	692	689	689	693	691	691	692	691	692	692	691	691	692	692	691	689	692	691	689	689	689	689	689
TBIN	U003	691	694	694	691	692	690	696	692	691	693	693	692	691	691	693	693	691	691	693	693	690	692	692	690	694
Total ST-Coal		7640	7596	7479	7242	7074	7055	7114	7110	7110	7038	7024	7018	7028	6949	6957	6947	7074	7429	7689	7761	7760	7792	8010	7988	
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	346	353	352	356	359	350	298	217	215	217	217	218	223	336	362	359	363	364	363	361	358	356	360	366	356
GLGR	GT01	68	69	68	69	68	68	70	66	68	69	68	68	67	67	68	68	68	91	103	100	102	101	100	99	99
GLGR	GT02	68	68	68	68	68	69	69	68	68	68	68	68	67	68	68	68	67	98	100	100	100	101	101	100	100
GLGR	ST1C	71	71	70	71	70	71	71	71	71	71	71	71	71	70	82	91	91	92	92	92	92	92	92	92	92
KLPP	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	58	125	144	134	132	137	133	133	132	133	134
KLPP	GT14	126	77	77	76	76	76	77	75	76	75	76	75	77	77	76	111	111	109	150	155	153	154	154	154	155
KLPP	GT15	116	66	66	68	68	68	69	68	68	70	70	68	67	70	68	104	110	110	141	149	146	147	147	146	146
KLPP	ST17	135	99	94	94	94	94	94	95	95	95	95	96	99	99	94	98	98	126	126	185	203	207	211	211	210
NPRI	BLK1	497	512	515	516	521	508	479	467	471	472	509	479	508	506	503	520	515	522	525	524	523	531	538	0	0
NPRI	BLK2	496	511	514	512	520	507	521	437	443	304	347	500	504	506	506	506	506	506	505	508	507	506	507	506	518
PCGP	PGRG	322	332	331	331	272	265	272	267	271	268	271	272	274	331	335	331	342	215	326	327	330	323	326	329	323
PGLA	GT11	221	184	181	166	169	165	170	167	170	172	174	171	173	208	208	208	225	221	222	221	221	220	220	222	220
PGLA	GT12	217	188	187	170	175	170	176	172	174	177	180	212	212	213	229	227	227	227	227	227	226	226	222	225	225
PGLA	ST10	237	212	214	209	207	205	205	206	207	209	207	208	209	233	231	231	235	243	238	241	243	243	244	244	242
PLPS	GT11	117	57	59	58	62	58	61	60	60	61	63	63	63	62	63	63	111	111	114	134	136	136	137	131	135
PLPS	GT12	123	127	65	61	63	59	65	61	60	60	64	64	63	65	63	64	119	120	120	139	136	139	141	137	137
PLPS	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PLPS	ST18	124	104	78	76	78	76	76	78	80	80	78	79	79	79	80	80	122	128	200	206	206	204	208	207	206
SGB3	GT33	93	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGB3	ST34	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT21	0	0	0	0	0	0	0	0	32	34	25	24	24	29	52	64	136	134	134	118	130	111	121	132	
SGRI	GT22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	143	125	138	114	129	141	134	
SGRI	GT23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	ST24	0	0	0	0	0	0	0	0	0	0	0	0	14	14	34	39	57	62	133	135	147	140	134	144	
SKSP	BLK1	217	216	219	217	254	217	226	215	215	247	219	220	340	336	217	244	220	311	219	220	332	309	231	322	
TJGS	GT1A	166	184	183	212	216	173	157	223	146	232	166	170	222	220	179	233	224	229	228	227	227	226	228	226	225
TJGS	GT1B	162	178	180	208	211	168	153	219	143	220	159	165	217	213	174	216	217	221	223	223	223	222	221	221	222
TJGS	ST1C	199	208	210	221	241	215	198	234	193	238	210	223	249	251	232	237	246	252	252	252	253	253	254	255	254
TJGS	GT2A	187	187	187	187	185	186	147	148	148	147	147	148	209	214	197	225	202	215	188	207	219	196	218	221	
TJGS	GT2B	184	184	184	184	182	183	145	144	145	145	145	145	205	211	194	222	199	212	183	204	216	193	217	218	
TJGS	ST2C	237	237	237	238	239	237	210	210	210	210	209	237	260	244	251	254	256	238	249	261	257	247	263	260	

Daily MW Generation on Wednesday

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		30	31	31	31	30	30	30	31	31	30	30	30	30	30	30	31	31	30	30	30	30	31	31	29
TIE-PLTG		-9	-24	-15	-13	-42	10	-60	-5	-6	-18	-23	-14	13	46	-23	-2	-24	-18	-7	-7	-63	-47	-42	0
Interconnection		21	7	16	18	-11	40	-30	26	25	12	7	16	43	77	7	28	6	12	24	22	-33	-16	-11	31
System Total		12915	12551	12275	13042	11938	11655	11630	11505	11367	11417	11332	11460	11890	12061	11997	12160	12437	13462	14136	14515	14905	15264	15473	15578
SRev ST-Coal		319	285	351	373	404	390	416	416	418	446	422	415	413	404	393	399	355	373	261	69	76	79	117	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
SRev CCGT-Gas		1001	1272	1277	1274	1244	1454	1633	1675	1954	1844	1946	1803	1417	1129	1291	1098	949	737	695	561	223	342	356	172
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		1	-1	1	1	1	0	1	2	2	4	2	1	-2	1	0	0	0	-1	-2	-1	1	-2	-1	-1
Synacon		1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1200	1351	1200	1200	1351	1164	1351	1200	1200	727	727	414	414	727
Hydro		154	149	149	146	141	145	129	141	141	140	126	268	135	136	268	267	137	284	151	276	276	389	378	404
S.Reserve Total		2826	3056	3129	3145	3141	3340	3530	3585	3866	3785	3847	3687	3314	3021	3152	2964	2792	2557	2456	2105	1776	1535	1577	1047