

Daily System Generation Summary on Friday

Friday, September 09, 2016

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,548 MW
Hydro	2,323 MW
Distillate	0 MW
Total TNB	5,871 MW
Total IPP	13,932 MW
Total Co-Gen	30 MW
Total System	20,397 MW

Generation Mix

Type	MWh	Percentage
Gas	56,296	16.81 %
Hydro	8,844	2.64 %
Total TNB	65,140	19.45 %
ST-Coal	172,270	51.45 %
ST-Oil	3,347	1.00 %
Gas	93,796	28.01 %
Total IPP	269,413	80.46 %
Co-Gen	536	0.16 %
Total Co-Gen	536	0.16 %
Total Generation	335,089	100.08 %
PLTG	-463	-0.14 %
EGAT	-4	0.00 %
HVDC	721	0.22 %
Interconnection	254	0.08 %
Net Energy	334,835	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:	16:30:00 Hour
Total Set On Bus	17,433 MW
TNB Generation	3,117 MW
IPP Generation	12,501 MW
Spinning Reserve	1,794 MW
Maximum Demand	15,686 MW
Net Energy	334,835 MWH
Load Factor	88.94 %

Fuel Cost

Total Cost:	44,513,726.20 RM
Cost per Unit	13.64 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	448
Hydro	320
Syncon	926
Thermal	130
Total	1,824

Time Weather Temperature

Afternoon	Hot	35
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	54
PAKA	97
PGPS	42
SRDG	11
TJGS	214
Total TNB	419
CBPS	52
KLPP	98
MPSS	52
NPRI	76
PGLA	110
PLPS	67
PTEK	16
SGB3	60
SGRI	177
Total IPP	709
Total Gas	1,127

Total Gas Required 1,160

Alternate Fuel Usage

Station	(mmscfd)
PKLG	33
Total	33

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	13854	13235	12719	12435	12020	11875	12024	12044	12261	13702	14613	15109	15169	14724	15049	15555	15602	15322	14393	14192	15121	14907	14421	14065

Prepared By: Ibrahim bin Said

Checked By: Kannathason a/l Karuppiah

Printed on: Saturday, September 10, 2016 11:43:06 AM
 (Gurcharan Singh)
 Pengurus Besar Kanan
 Jabatan Sistem Operasi

Daily MW Generation on Friday

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	689	694	691	690	693	690	691	689	692	692	693	690	694	691	692	693	693	693	693	693	693	693	693	693	693
JMAH	U002	693	691	692	692	694	692	695	693	694	693	695	699	693	694	692	692	694	694	695	695	695	695	695	695	695
JMJG	U001	671	671	668	668	669	669	672	675	670	671	672	670	670	671	671	670	670	673	671	668	671	668	672	671	668
JMJG	U002	674	677	675	676	674	672	673	675	676	675	677	673	676	672	673	674	677	674	673	676	673	675	677	675	677
JMJG	U003	671	667	672	668	671	668	670	672	673	671	673	673	673	671	670	674	672	677	672	666	671	692	673	673	668
PKLG	U003	284	284	284	280	283	282	281	283	282	282	282	282	280	280	281	282	284	282	282	282	284	282	284	282	280
PKLG	U004	278	280	280	278	278	274	276	276	274	276	276	278	278	276	275	277	279	280	278	282	282	280	282	280	282
PKLG	U005	467	469	469	467	467	467	470	467	467	468	468	466	466	468	468	467	466	464	464	467	466	466	466	466	466
PKLG	U006	470	470	470	470	470	470	470	470	470	469	469	472	472	467	471	467	471	467	469	468	471	478	472	472	468
TBIN	U001	689	688	687	690	690	689	689	689	689	690	689	689	687	688	687	690	690	688	689	691	692	689	686	686	676
TBIN	U003	693	691	692	693	691	692	692	693	694	694	692	694	692	694	693	691	692	689	690	689	690	686	689	690	688
TBIN	U004	901	901	901	901	901	902	901	901	901	902	901	902	901	901	902	900	903	900	901	900	902	902	901	901	902
Total ST-Coal		7180	7183	7181	7173	7181	7166	7181	7182	7181	7182	7190	7188	7189	7170	7179	7182	7182	7190	7179	7168	7183	7216	7174	7183	7180
PKLG	U001	283	284	284	284	284	229	137	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PKLG	U002	281	282	282	282	282	281	281	282	281	281	281	249	168	147	147	146	146	139	67	0	0	0	0	0	
Total ST-Oil		564	566	566	566	566	510	418	324	282	281	281	281	249	168	147	146	146	139	67	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	353	351	349	351	344	346	355	293	277	291	288	273	285	284	284	295	281	353	348	352	352	361	351	352	
GLGR	GT01	104	104	103	105	90	67	68	71	68	69	68	69	67	68	70	70	77	110	109	108	110	110	110	108	
GLGR	GT02	103	104	104	104	90	68	69	69	69	68	69	69	68	78	108	109	109	109	109	109	109	109	109	109	
GLGR	ST1C	93	93	93	95	88	70	69	69	68	68	69	69	68	69	69	69	71	95	98	98	98	98	98	97	
KLPP	GT13	122	138	140	121	89	70	69	70	70	66	68	70	67	69	70	74	138	142	142	141	141	139	139	137	
KLPP	GT14	130	93	0	0	0	0	0	0	0	0	0	0	0	0	1	62	83	158	158	158	158	158	158	155	
KLPP	GT15	137	154	154	138	117	79	79	81	79	81	81	79	80	79	82	79	85	154	158	158	158	154	154	154	
KLPP	ST17	191	194	138	126	113	90	90	90	90	86	90	90	88	88	82	94	91	130	202	203	205	205	204	207	
MPSS	GT01	74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39	108	107	107	107	107	107	107	106	
MPSS	GT02	106	106	107	107	88	89	91	92	90	92	89	89	89	91	90	90	93	108	108	108	106	107	107	107	
MPSS	ST01	105	50	51	51	43	39	39	39	39	39	39	38	39	38	39	38	41	103	113	113	113	113	113	113	
NPRJ	BLK2	509	511	511	512	508	463	483	385	367	374	389	374	457	500	503	486	491	518	518	523	519	519	517	517	
PAKA	GT1A	90	90	90	65	64	64	64	66	65	66	64	65	64	64	65	65	64	66	88	87	87	80	86	86	
PAKA	GT1B	93	92	93	64	63	63	63	65	63	64	63	63	64	65	63	64	64	91	91	90	89	89	89	88	
PAKA	ST1C	80	81	81	66	65	66	65	65	66	66	65	65	66	66	65	66	66	81	81	81	81	81	81	81	
PAKA	GT4A	95	95	94	95	95	95	95	95	95	95	95	95	95	95	94	93	94	93	93	93	93	93	93	93	
PAKA	GT4B	82	82	82	83	82	82	83	83	82	82	82	81	82	82	81	80	80	79	80	79	78	79	79	79	
PAKA	ST4C	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	
PGLA	GT11	157	207	175	186	176	156	156	151	151	155	150	152	151	222	198	162	188	236	163	227	227	237	228	228	
PGLA	GT12	157	206	176	184	175	154	156	151	152	155	150	151	152	220	196	160	188	235	162	226	228	221	227	227	
PGLA	ST10	194	242	211	230	197	204	196	193	193	193	198	196	196	233	236	204	228	246	209	246	245	246	244	244	
PGPS	GT3A	83	83	83	82	82	83	82	83	83	82	82	83	83	83	83	82	84	96	95	95	94	95	95	95	
PGPS	GT3B	73	0	0	0	0	0	0	0	0	0	0	0	0	0	3	82	82	93	94	93	93	93	93	93	
PGPS	ST3C	55	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	45	92	95	95	95	95	95	95	
PLPS	GT11	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	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	99	144	142	143	143	139	115	119	126	
PLPS	GT13	122	115	119	119	117	119	119	119	118	118	116	117	119	119	119	119	119	124	119	118	116	123	119	121	
PLPS	ST18	58	58	59	57	59	59	59	59	59	59	58	59	58	57	57	58	57	118	139	143	173	211	211	198	
SGB3	GT31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59	140	139	137	137	137	108	108	111	
SGB3	GT32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	77	147	144	113	113	117	111	118	138	

