



Daily System Generation Summary on Friday

Friday, September 30, 2016

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,398 MW
Hydro	2,382 MW
Distillate	0 MW
Total TNB	5,780 MW
Total IPP	13,340 MW
Total Co-Gen	20 MW
Total System	19,140 MW

Generation Mix

Type	MWh	Percentage
Gas	68,937	19.95 %
Hydro	11,216	3.25 %
Total TNB	80,153	23.19 %
ST-Coal	164,641	47.64 %
ST-Gas	3,304	0.96 %
ST-Oil	7,126	2.06 %
Gas	89,819	25.99 %
Total IPP	264,890	76.65 %
Co-Gen	300	0.09 %
Total Co-Gen	300	0.09 %
Total Generation	345,343	99.93 %
PLTG	325	0.09 %
EGAT	-4	0.00 %
HVDC	-576	-0.17 %
Interconnection	-255	-0.07 %
Net Energy	345,598	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	18,101 MW
TNB Generation	3,984 MW
IPP Generation	12,384 MW
Spinning Reserve	1,716 MW
Maximum Demand	16,396 MW
Net Energy	345,598 MWH
Load Factor	87.83 %

Fuel Cost

Total Cost:	47,887,681.80 RM
Cost per Unit	14.32 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	414
Hydro	296
Syncon	946
Thermal	156
Total	1,812

Time	Weather	Temperature
Afternoon	Hot	0
Morning	Sunny	0

Gas Usage

Station	(mmscfd)
CBPS	0
GLGR	54
PAKA	206
PGPS	51
SRDG	7
TJGS	208
Total TNB	526
CBPS	52
MPSS	49
NPRI	145
PDPS	5
PGLA	107
PLPS	90
PTEK	15
SGB3	73
SGRI	91
SKSP	47
PKLG	32
Total IPP	706
Total Gas	1,232

Total Gas Required 1,303

Alternate Fuel Usage

Station	(mmscfd)
PKLG	71
Total	71

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	14174	13460	12988	12548	12290	12028	12170	11935	12488	14066	15023	15741	15784	15383	15715	16266	16354	15977	14832	14751	15650	15375	15009	14802

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Checked By: -Select Name-

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(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	678	678	678	678	678	678	678	678	678	678	678	678	678	678	678	678	678	678	678	678	678	678	678	678
JMAH	U002	695	695	695	695	695	695	695	695	695	695	695	695	695	695	695	695	695	695	695	695	695	695	695	695
JMJC	U001	679	677	674	681	674	677	673	677	675	677	677	673	674	668	670	678	674	676	672	674	688	666	677	673
JMJC	U002	673	672	676	674	675	678	673	674	675	674	677	675	673	672	675	675	677	671	679	673	677	675	673	674
JMJC	U003	672	673	674	667	672	671	671	672	671	682	664	673	672	671	671	672	673	672	670	668	668	672	675	671
PKLG	U004	281	280	282	278	276	274	274	270	281	279	279	277	277	279	279	293	279	275	277	281	277	279	279	277
PKLG	U005	466	452	469	466	469	466	466	466	469	469	466	466	466	466	466	466	466	466	466	466	469	469	469	469
PKLG	U006	472	468	472	463	470	470	470	469	472	472	469	469	472	468	469	472	469	470	472	469	472	468	472	468
TBIN	U001	689	690	685	688	689	689	689	688	689	689	688	691	689	687	687	688	690	689	687	691	691	691	689	689
TBIN	U002	689	692	694	692	689	691	695	694	691	693	691	692	694	693	689	689	695	692	693	689	689	691	694	690
TBIN	U004	902	902	902	902	902	902	902	902	902	902	902	902	902	902	902	902	902	902	902	902	902	902	902	902
Total ST-Coal		6896	6879	6901	6884	6889	6891	6886	6885	6897	6910	6887	6892	6897	6888	6876	6905	6895	6892	6892	6887	6888	6811	6751	6750
PKLG	U001	184	142	142	143	143	143	143	143	143	143	143	143	143	143	143	144	144	152	146	0	0	0	0	0
PKLG	U002	186	147	147	146	146	146	146	146	146	146	146	146	146	146	196	275	283	282	281	283	281	281	281	281
Total ST-Oil		370	289	289	289	289	289	289	289	289	289	289	289	289	289	340	419	435	428	281	283	281	281	281	281
PKLG	U001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	223	282	280	282	282	280	282
Total ST-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	223	282	280	282	282	280	282
CBPS	CT1A	60	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	370	371	376	377	372	377	372	322	209	211	209	209	209	210	202	215	258	354	370	364	372	366	366	370
GLGR	GT01	101	100	99	70	67	67	67	68	70	69	67	68	69	66	67	68	68	69	70	109	108	108	108	107
GLGR	GT02	100	100	100	69	68	69	68	68	69	68	69	68	68	68	68	68	68	68	68	108	108	108	108	108
GLGR	ST1C	91	91	90	78	70	70	70	70	70	70	70	71	70	71	70	71	70	71	92	99	98	98	99	98
MPSS	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80	109	101	102	102	102	102	101	102	103
MPSS	GT02	103	105	105	106	106	90	90	91	92	91	91	92	89	88	93	93	93	90	107	102	103	102	102	101
MPSS	ST01	48	49	50	50	40	40	39	39	39	38	39	38	38	110	108	108	108	108	109	109	109	109	109	109
NPRI	BLK1	499	417	479	431	377	391	332	353	344	329	327	329	338	325	316	316	360	528	479	488	504	521	497	503
NPRI	BLK2	516	506	507	508	506	505	396	299	298	298	299	298	296	287	284	298	532	532	491	506	524	499	508	502
PAKA	CT1A	92	92	92	92	92	92	92	92	92	93	92	91	92	91	65	66	66	66	91	88	88	88	87	87
PAKA	CT1B	92	92	92	93	93	93	92	92	92	92	92	93	93	65	64	65	66	91	90	90	88	88	88	88
PAKA	ST1C	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	80	80	80	80	80	80	80	80
PAKA	GT2A	89	90	90	89	89	90	89	89	90	89	90	90	89	89	64	63	64	64	88	87	86	86	83	85
PAKA	GT2B	92	92	92	92	93	93	92	92	92	92	92	92	92	63	64	65	65	91	90	88	88	87	86	86
PAKA	ST2C	89	89	89	89	89	89	89	89	89	89	89	89	89	76	75	75	75	88	89	89	89	89	89	89
PAKA	GT3A	90	90	90	90	90	91	91	90	90	90	91	91	90	90	91	91	90	89	88	87	87	86	86	85
PAKA	GT3B	90	90	90	90	90	90	90	89	90	90	90	90	90	89	89	89	89	88	86	86	85	84	84	83
PAKA	ST3C	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	91	91	90	91	91	90
PAKA	GT4A	94	95	95	95	95	95	95	94	95	95	95	94	94	94	93	93	93	93	93	93	93	92	93	93
PAKA	GT4B	82	82	81	81	82	82	82	82	81	82	82	81	82	81	80	80	79	79	79	79	79	78	78	78
PAKA	ST4C	91	90	90	89	89	90	90	90	90	90	90	91	91	91	91	91	91	91	90	90	90	91	91	91
PCLA	GT11	228	229	154	154	154	152	153	154	154	153	153	154	152	150	150	154	209	218	214	218	222	181	223	208
PCLA	GT12	228	228	154	154	153	154	154	153	153	153	153	153	150	150	153	208	218	214	217	222	179	222	206	214
PCLA	ST10	250	250	194	194	194	195	195	194	194	195	195	195	195	195	195	194	194	229	240	243	231	250	229	252
PGPS	GT3A	92	92	92	88	77	77	76	77	77	77	77	77	77	76	77	77	76	76	77	76	76	94	95	95
PGPS	CT3B	92	91	91	88	77	77	77	77	77	77	78	77	77	78	77	78	77	78	77	77	77	77	77	77
PGPS	ST3C	89	89	89	89	73	73	72	72	72	72	72	72	72	72	72	72	72	72	73	73	92	93	94	94
PLPS	GT11	118	116	115	97	66	66	66	66	66	65	66	65	66	66	62	67	70	71	147	139	144	143	138	142
PLPS	CT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	73	137	139	140	134	138	138

