

## Daily System Generation Summary on Tuesday

Tuesday, May 24, 2016

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,747 MW
Hydro	1,760 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,507 MW</b>
<b>Total IPP</b>	<b>13,292 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>19,363 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	70,841	19.85 %
Hydro	9,898	2.77 %
<b>Total TNB</b>	<b>80,739</b>	<b>22.62 %</b>
ST-Coal	165,204	46.28 %
Gas	109,794	30.76 %
<b>Total IPP</b>	<b>274,998</b>	<b>77.04 %</b>
Co-Gen	450	0.13 %
<b>Total Co-Gen</b>	<b>450</b>	<b>0.13 %</b>
<b>Total Generation</b>	<b>356,187</b>	<b>99.79 %</b>
PLTG	-32	-0.01 %
EGAT	-33	-0.01 %
HVDC	-700	-0.20 %
<b>Interconnection</b>	<b>-765</b>	<b>-0.21 %</b>
<b>Net Energy</b>	<b>356,952</b>	<b>100.00 %</b>

### 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:	15:30:00 Hour
Total Set On Bus	18,136 MW
TNB Generation	4,408 MW
IPP Generation	12,459 MW
Spinning Reserve	1,251 MW
Maximum Demand	16,959 MW
Net Energy	356,952 MWH
Load Factor	87.70 %

### Fuel Cost

Total Cost:	50,969,800.85 RM
Cost per Unit	14.71 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	484
Hydro	285
Syncon	540
Thermal	130
<b>Total</b>	<b>1,439</b>

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

### Gas Usage

Station	(mmscfd)
CBPS	46
GLGR	53
PAKA	171
PGGS	2
PGPS	40
SRDG	19
TJGS	219
<b>Total TNB</b>	<b>551</b>

CBPS	52
KLPP	73
MPSS	37
NPRI	147
PDPS	5
PGLA	107
PKLG	12
PLPS	85
PTEK	25
SGB3	79
SGRI	163
SKSP	51
<b>Total IPP</b>	<b>835</b>
<b>Total Gas</b>	<b>1,386</b>

**Total Gas Required** 1,386

### Alternate Fuel Usage

Station	(mmscfd)
<b>Total</b>	<b>0</b>

### 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	14456	13812	13323	12959	12711	12442	12510	12384	12947	14708	15660	16273	16217	15954	16491	16855	16898	16419	15278	15156	16142	16044	15644	15174

Prepared By: Siti Nurhamizatul Aini

Checked By: -Select Name-

Printed on: Wednesday, May 25, 2016 2:10:03 AM

(Gurcharan Singh)  
Pengurus Besar Kanan  
Jabatan Sistem Operasi

**Daily MW Generation on Tuesday**

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	695	520	359	242	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JMAH	U002	706	703	708	704	706	700	702	703	703	706	703	704	705	703	705	702	706	705	707	702	705	703	707	703
JMJG	U001	595	596	588	596	593	596	596	594	596	592	594	596	596	593	594	594	594	596	599	638	645	641	637	640
JMJG	U003	600	592	598	585	590	607	579	590	590	588	593	590	587	596	587	592	591	588	637	645	634	640	618	629
JMJG	U004	909	898	854	858	854	852	852	785	779	781	779	779	778	781	780	781	782	780	822	908	957	951	0	0
PKLG	U003	279	281	279	281	281	281	279	281	278	281	281	282	283	278	282	284	282	280	284	282	280	279	280	278
PKLG	U004	282	280	280	280	279	276	279	276	274	278	281	281	282	281	282	282	282	280	279	279	280	278	280	279
PKLG	U005	445	441	444	444	445	444	443	444	444	444	444	445	444	444	447	443	441	448	454	457	457	458	458	458
PKLG	U006	470	468	469	472	472	469	468	469	472	469	469	472	468	468	468	472	471	468	468	472	470	470	470	470
TBIN	U001	696	698	697	697	696	698	696	699	695	696	697	699	696	696	700	697	692	698	697	697	696	697	699	699
TBIN	U002	696	699	703	697	699	700	699	699	699	701	698	701	700	699	700	697	698	701	701	700	700	699	700	699
TBIN	U003	701	700	699	698	701	614	565	529	707	698	700	699	697	697	699	698	696	699	697	698	700	699	699	699
TBIN	U004	903	901	850	851	851	850	847	780	780	782	785	782	782	781	782	780	779	783	872	951	949	950	950	950
Total SI-Coal		7977	7777	7528	7405	7167	7087	7005	6849	7017	7016	7025	7029	7018	7020	7024	7021	7020	7031	7217	7431	7471	7465	6495	
Total SI-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 SI-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	GT1A	87	88	85	88	87	87	87	87	87	87	88	87	87	88	87	85	99	98	98	98	98	98	98	98
CBPS	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	47	91	98	98	98	98	98	98
CBPS	ST1C	40	40	39	39	40	39	40	41	40	40	40	40	39	40	40	88	100	100	100	100	101	101	102	
CBPS	BLK2	324	370	369	371	364	300	251	343	286	252	250	250	249	250	251	249	290	355	355	357	357	357	356	357
GLGR	GT01	67	67	69	70	69	68	69	69	67	69	68	69	68	68	67	66	68	95	106	106	107	107	107	106
GLGR	GT02	67	68	68	68	68	68	68	68	68	68	68	68	68	68	68	96	108	107	107	107	106	106	104	102
GLGR	ST1C	71	70	70	70	70	71	71	71	71	71	71	71	71	71	71	82	97	97	97	96	94	93	92	
KLPP	GT14	121	121	121	121	121	121	121	98	81	81	81	81	81	81	81	115	115	150	150	150	149	149	148	
KLPP	GT15	117	117	117	117	118	118	118	109	77	80	77	80	77	76	76	77	82	116	140	145	145	145	144	144
KLPP	ST17	123	126	120	120	124	123	122	111	99	99	94	94	99	94	96	96	94	123	131	135	139	139	143	
MPSS	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	67	69	72	83	107	106	
MPSS	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	82	81	78	99	101	90	90	94	
MPSS	ST01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	40	31	30	27	27	98	111	
NPRI	BLK1	523	464	467	437	443	376	370	385	382	343	338	341	348	377	332	333	429	487	511	497	512	512	514	
NPRI	BLK2	525	464	466	437	442	377	370	388	382	347	337	338	349	379	334	329	435	482	513	499	514	515	516	
PAKA	GT1A	64	65	66	66	66	66	65	66	65	66	65	66	65	66	65	66	66	65	66	65	66	66	66	66
PAKA	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	66	64	65	64	65	64	65	64
PAKA	ST1C	28	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	30	30	30	61	68	81	81	
PAKA	GT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65	63	63	63	64	84	84	
PAKA	GT2B	63	64	65	65	64	65	64	63	64	64	64	64	63	64	65	64	65	88	88	87	87	87	87	86
PAKA	ST2C	32	33	33	33	32	32	33	33	33	33	33	33	33	33	33	33	34	40	41	40	40	40	82	
PAKA	GT3A	62	62	63	63	64	62	64	63	63	63	64	63	62	62	62	63	64	85	83	84	84	84	83	83
PAKA	GT3B	61	62	63	63	64	62	63	63	61	63	63	63	62	62	62	64	63	62	62	63	64	84	83	84
PAKA	ST3C	72	72	72	72	72	72	72	72	72	72	72	72	73	73	73	74	74	87	86	87	87	87	87	87
PAKA	GT4A	95	95	94	95	95	95	95	95	95	95	95	95	95	95	95	95	95	93	93	92	92	92	92	92
PAKA	GT4B	82	81	82	82	81	82	82	81	82	81	81	81	81	81	81	81	80	80	80	80	80	80	80	80
PAKA	ST4C	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	91	91	91	91	91	91	91	91
PGLA	GT11	158	180	183	162	160	159	161	161	161	159	161	159	161	158	159	167	178	231	202	178	213	224	222	
PGLA	GT12	157	179	183	162	161	160	162	161	160	162	162	159	161	160	166	179	232	201	178	213	224	221	174	196
PGLA	ST10	202	218	217	199	202	199	199	197	197	199	197	199	204	242	235	225	224	246	200	234	246	246	250	246
PGPS	GT3A	83	83	83	82	83	82	82	83	83	83	83	83	83	83	82	83	83	83	83	83	93	93	93	93

**Daily MW Generation on Tuesday**

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
PGPS	GT3B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGPS	ST3C	36	36	36	36	36	36	37	37	37	37	36	35	35	36	36	36	63	91	93	92	93	93	94	94
PLPS	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	6	70	145	145	143	143	142	143	142	143	144
PLPS	GT12	66	69	70	69	69	69	69	70	70	69	69	69	69	70	68	71	119	118	114	119	120	139	138	136
PLPS	GT13	59	63	63	63	63	64	63	63	63	63	63	63	63	62	64	108	108	104	112	112	143	144	141	142
PLPS	ST18	101	97	97	96	97	96	96	96	95	95	95	96	94	95	93	99	100	132	138	144	204	204	213	213
SGB3	GT31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35	133	113	122	129	122	106	115
SGB3	GT32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54	144	141	118	126	137	126	112
SGB3	GT33	107	113	112	112	112	112	112	112	112	112	111	109	112	109	113	116	113	122	134	122	110	117	124	141
SGB3	ST34	58	58	59	59	59	59	59	59	59	59	59	59	59	62	66	66	147	208	208	216	221	209	202	210
SGRJ	GT11	94	69	68	68	67	67	67	67	67	67	65	65	67	112	140	140	139	139	139	139	139	135	136	136
SGRJ	GT12	116	70	71	71	71	71	71	71	71	71	71	71	71	71	113	149	149	148	148	146	146	146	146	145
SGRJ	GT13	113	67	68	68	67	67	67	67	68	68	67	67	67	67	111	137	137	135	135	136	136	132	132	133
SGRJ	ST14	200	153	151	151	153	153	153	153	151	153	153	154	147	150	152	154	154	200	221	218	222	221	221	218
SGRJ	GT22	71	71	71	71	71	71	71	71	71	71	71	71	115	119	118	116	117	125	118	118	119	123	137	135
SGRJ	GT23	67	67	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	109	113	111	111	111	110	113
SGRJ	ST24	100	97	97	97	97	98	99	99	100	99	100	99	100	97	100	101	101	133	139	132	134	138	139	133
SKSP	BLK1	308	308	308	306	307	308	285	217	216	219	215	219	218	219	217	218	217	221	297	296	297	298	299	298
TJGS	GT1A	221	227	227	220	229	224	227	227	229	213	186	199	208	230	174	164	232	226	224	224	224	224	221	221
TJGS	GT1B	207	218	218	212	219	218	221	219	218	202	181	190	196	225	164	155	218	222	216	216	216	216	216	216
TJGS	ST1C	249	250	250	250	247	251	250	247	230	218	208	222	245	211	168	242	250	245	246	246	246	246	246	246
TJGS	GT2A	219	219	219	219	219	222	222	222	186	184	186	184	184	184	184	186	214	214	216	214	214	214	214	214
TJGS	GT2B	221	221	221	220	220	222	222	180	180	182	182	182	181	181	181	210	210	210	210	211	211	211	211	211
TJGS	ST2C	261	261	261	264	264	264	236	236	236	236	236	236	236	236	236	255	255	255	258	258	258	258	258	258
Total CCGT-Gas		6188	6042	6050	5918	5946	5732	5665	5700	5451	5306	5201	5220	5262	5388	5145	5100	5685	6687	7259	7590	7924	8137	8353	8207
PDPS	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGGS	GT6B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PKLG	GT08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	92	92	92	91	91	90
PKLG	GT09	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	6	107	105	105	105	106	106
PTEK	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	109	109	107	107	107	107
PTEK	GT2B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	109	108	98	100	100
SRDG	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	130	130	131	130	130
SRDG	GT05	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 OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	268	366	429	428	428
BSIA	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	21	21	21	21	21
BSIA	HY02	11	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	25	23	23	23	23	23
BSIA	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	22	22	21	22	21
CEND	HY01	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	10	10	10	10	10	10	10	10	10
CEND	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	HY03	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	10	10	10	10	10	10	10	10	10
CEND	HY04	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
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
KNRG	HY01	35	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	23	22	22	22	22
KNRG	HY02	36	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	23	22	22	23	23
KNRG	HY03	36	36	22	23	22	22	23	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
KNYR	HY01	-1	-1	-1	-1	-1	0	0	0	0	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1

**Daily MW Generation on Tuesday**

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	
KNYR	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	
KNYR	HY04	61	60	60	62	61	61	60	61	60	63	63	61	60	59	64	62	61	57	59	60	100	99	100	98	100
LPIA	HY01	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
MNOR	HY01	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
PGAU	HY02	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	22	-1	-1	-1	-1	-1	-1	-1	-1	-1	
PGAU	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	
PGAU	HY04	20	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SIHY	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	
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	32	33	32	33	34	34	33	33	33	32	33	33	34	34	33	33	36	34	33	26	33	33	78	78	
TMGR	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	
TMGR	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	
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	
UPIA	HY02	5	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		268	270	163	165	166	228	186	185	184	163	166	167	165	163	162	171	196	169	158	187	378	1333	1157	1036	
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	2	3	3	2	3	3	4	3	3	2	3	4	2	4	3	4	3	2	2	1	1	1	1	1	
PCUF	CUFK	17	17	17	17	16	16	17	17	16	17	18	18	17	16	17	18	18	17	17	17	17	17	17	17	
Total Co-Gen		19	20	20	19	19	19	21	20	19	19	21	22	19	20	20	20	21	19	19	19	19	18	18	18	
Total Gen		14452	14109	13761	13507	13298	13066	12919	12755	12672	12525	12410	12437	12466	12593	12352	12303	12897	13933	14664	15198	15601	15999	16235	16264	
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		-29	-29	-30	-30	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	
TIE-PLTG		25	-21	-21	-28	4	-22	-11	-9	-10	2	-2	-1	-15	26	-3	17	-21	5	-15	16	-31	-46	-7	-70	
Interconnection		-4	-49	-51	-58	-25	-51	-40	-38	-39	-26	-32	-31	-44	-3	-32	-12	-50	-25	-44	-13	-59	-74	-38	-101	
System Total		14456	14158	13812	13565	13323	13117	12959	12793	12711	12551	12442	12468	12510	12596	12384	12315	12947	13958	14708	15211	15660	16073	16273	16365	
SRev ST-Coal		200	283	231	244	206	269	293	283	214	215	210	200	210	206	210	209	202	206	110	121	127	87	68	82	
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		1361	1507	1499	1631	1603	1817	1884	1849	2098	2243	2348	2329	2287	2161	2404	2449	1967	1108	1015	790	715	586	370	602	
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		8	7	7	8	8	8	6	7	8	8	6	5	8	7	7	7	6	8	8	8	8	8	8	8	
Syncon		800	800	800	800	800	598	598	548	548	699	800	800	800	800	800	800	800	649	800	800	800	800	800	800	
Hydro		255	253	133	131	130	170	170	262	263	213	133	130	129	131	133	134	125	251	122	133	254	313	327	376	
S.Reserve Total		2624	2850	2670	2814	2747	2862	2951	2949	3131	3378	3497	3464	3434	3309	3550	3600	3107	2218	2156	1846	1963	1839	988	1277	