

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,835 MW
Hydro	2,215 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,050 MW</b>
<b>Total IPP</b>	<b>14,599 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>20,213 MW</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:	14:30:00 Hour
Total Set On Bus	17,467 MW
TNB Generation	3,869 MW
IPP Generation	12,297 MW
Spinning Reserve	1,238 MW
Maximum Demand	16,226 MW
Net Energy	341,971 MWH
Load Factor	87.81 %

### Gas Usage

Station	(mmscfd)
CBPS	41
GLGR	51
PAKA	178
PGPS	38
TJGS	102
<b>Total TNB</b>	<b>410</b>
CBPS	49
KLPP	71
MPSS	44
NPRI	137
PGLA	101
PLPS	69
PTEK	3
SGRI	147
<b>Total IPP</b>	<b>622</b>
<b>Total Gas</b>	<b>1,032</b>

### Alternate Fuel Usage

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

### Generation Mix

Type	MWh	Percentage
Gas	50,927	14.89 %
Hydro	19,595	5.73 %
<b>Total TNB</b>	<b>70,522</b>	<b>20.62 %</b>
ST-Coal	188,216	55.04 %
Gas	82,386	24.09 %
<b>Total IPP</b>	<b>270,602</b>	<b>79.13 %</b>
Co-Gen	1,480	0.43 %
<b>Total Co-Gen</b>	<b>1,480</b>	<b>0.43 %</b>
<b>Total Generation</b>	<b>342,604</b>	<b>100.19 %</b>
PLTG	-91	-0.03 %
HVDC	724	0.21 %
<b>Interconnection</b>	<b>633</b>	<b>0.19 %</b>
<b>Net Energy</b>	<b>341,971</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	56,519,971.90 RM
Cost per Unit	17.50 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	571
Hydro	438
Syncon	432
Thermal	134
<b>Total</b>	<b>1,575</b>

**Total Gas Required 1,032**

### Time Weather Temperature

Afternoon	Rainy	33
Morning	Sunny	27

### 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	13912	13170	12717	12296	12064	11972	12157	12226	12543	14302	15232	15952	15849	15439	15991	16143	16144	15649	14704	14642	15159	14969	14414	13970

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, March 29, 2017 8:45:00 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
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	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
PLPS	GT11	111	112	88	57	58	62	63	63	62	56	58	59	62	64	61	64	67	116	113	119	120	116	115	116
PLPS	GT12	119	119	119	65	67	69	70	69	69	64	65	66	70	72	69	73	73	122	122	122	122	120	120	119
PLPS	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	73	142	142	142	143	143	144	143
PLPS	ST18	132	132	129	92	91	91	93	92	92	89	88	86	92	97	94	93	96	132	134	202	202	204	202	202
SGRI	GT12	118	118	86	71	71	71	71	71	70	70	70	70	70	70	70	70	71	119	144	144	143	143	140	141
SGRI	GT13	112	112	112	66	64	64	63	65	65	65	64	64	63	63	64	64	115	135	135	134	134	134	134	134
SGRI	ST14	139	138	132	99	100	101	102	99	98	100	99	101	101	101	101	100	136	147	147	149	150	150	149	150
SGRI	GT21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	128	136	134	132	130	131	123
SGRI	GT22	116	88	71	71	70	70	70	70	71	71	70	70	71	71	70	70	114	115	140	138	138	134	137	128
SGRI	GT23	119	133	86	60	66	73	67	76	69	58	69	67	69	69	65	68	68	110	108	151	142	142	143	143
SGRI	ST24	131	130	94	96	93	92	94	94	96	96	94	94	92	92	94	95	94	129	180	212	217	214	216	216
TJGS	GT1A	231	229	186	220	207	185	123	128	109	107	110	113	110	203	126	108	218	224	202	229	227	221	220	223
TJGS	GT1B	215	218	180	213	205	176	113	119	105	104	103	107	103	198	122	105	210	218	195	210	220	215	215	215
TJGS	ST1C	249	241	221	250	247	231	171	160	152	145	145	141	149	218	193	155	209	251	248	240	254	250	250	250
Total CCGT-Gas		5508	5310	4894	4671	4490	4343	4164	4148	4098	4009	4025	4047	4123	4382	4189	4154	4464	5362	6047	6536	6696	6776	6756	6766
PTEK	GT1A	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	0	0	0	0	0	0
BSIA	HY01	11	12	12	11	11	12	12	12	11	11	11	11	12	12	12	12	21	21	21	21	21	21	21	21
BSIA	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	23	23	23	23	23	23	23
CEND	HY01	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
CEND	HY02	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	10	10	9	9	9	9	9
CEND	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	10	10	10	10	10	10	10
CEND	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	7	8	8	7	8	8	8
HTRG	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	64	65	65	-1	-1	65	105
HTRG	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
KNRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35	35	35	35	35	35	35	35
KNRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	36	36	36	36	36	36	36
KNRG	HY03	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	36	36	36	35	36	36	36
KNYR	HY01	97	96	82	84	86	76	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	62	61	62	61	101	102	102	
KNYR	HY03	99	99	99	99	99	100	99	-1	-1	-1	-1	-1	-1	-1	-1	-1	63	63	63	62	102	103	103	
KNYR	HY04	100	99	93	88	86	100	96	75	61	57	56	53	70	95	70	88	103	101	98	103	101	101	90	
LPIA	HY01	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
LPIA	HY02	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	5	5	5	5	3	3	5	5
PGAU	HY01	80	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	23	23	22	79	112	112	112	112
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	-1	-1	19	19	19	21	84
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	22	22	22	80	80	112	82
PGAU	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
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	50	50	5	0	0	30	51
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	50	50	30	0	0	30	37
SYPS	HY01	0	0	0	16	0	0	0	0	0	0	0	0	0	0	0	0	16	25	25	16	0	0	16	25
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	25	25	16	0	0	16	25
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	25	25	16	0	0	16	25
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	35	35	79	80	79	79	79
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	39	36	84	85	83	83	82

### 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																										
TMGR	HY04	34	34	34	33	34	35	34	35	35	31	30	28	36	39	36	37	37	38	38	38	37	36	83	83	83	83	82	81	81	79	82	82	80	79	79	80	35	33	60	61	61	85	85	85	85	86	85			
UJLI	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	-1	-1	-1	145	118	112	119	115	109	-1	-1	-1	-1	91	93	93	93	178	182	183	180	-1	-1			
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	-1	-1	-1	92	119	114	120	118	112	-1	-1	-1	-1	93	94	95	95	90	94	94	-1	-1	-1			
UPLA	HY02	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7					
Total Hydro		507	425	405	416	401	408	325	205	190	182	180	175	201	229	201	242	235	361	423	429	604	923	1280	1351	1184	1049	1011	1224	1324	1466	1305	1273	1384	1357	1078	1054	894	691	976	1330	1357	1292	1463	1453	1455	1213	984	807		
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	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	
PCUF	CUFG	29	30	30	29	30	29	29	30	29	31	30	31	31	33	33	33	33	33	32	35	34	33	33	33	32	32	32	32	33	33	32	32	32	31	32	33	35	34	33	35	35	34	34	35	34	38	36	35		
PCUF	CUFK	33	29	28	29	30	30	27	30	30	29	29	29	29	29	30	31	29	29	30	30	28	29	29	29	29	28	30	29	30	28	29	30	28	29	29	29	29	29	29	29	29	29	29	29	29	29	31	28	29	30
Total Co-Gen		62	59	58	58	60	59	56	60	59	60	59	60	60	62	63	64	62	62	61	65	64	63	61	62	62	61	60	62	62	63	60	61	62	59	61	62	63	63	61	64	64	63	63	64	65	66	65	65		
Total Gen		14001	13699	13231	12958	12735	12605	12328	12194	12125	12028	12047	12069	12168	12454	12238	12257	12549	13566	14341	14861	15205	15650	15987	16097	15838	15565	15471	15730	15989	16229	16122	16048	16120	16079	15676	15203	14740	14584	14656	15155	15189	15131	15037	14804	14463	14132	13990	13629		
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	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	
TIE-HVDC		30	30	30	30	31	31	30	30	31	31	29	29	31	31	30	30	29	29	30	30	31	31	31	31	31	31	31	30	30	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
TIE-PLTG		59	59	31	63	-13	-24	2	48	30	-6	45	43	-19	42	-18	-9	-23	-17	10	-34	-57	-48	4	-22	-41	-56	1	-60	-31	-27	-52	-88	-54	30	-3	-29	6	22	-16	23	0	5	38	13	19	-27	-10	11		
Interconnection		89	89	61	94	18	7	32	78	61	24	75	72	11	73	12	21	6	12	39	-4	-27	-17	35	9	-11	-26	32	-29	-2	3	-21	-57	-24	60	27	2	36	52	14	52	30	34	68	43	49	3	20	41		
System Total		13912	13610	13170	12864	12717	12598	12296	12116	12064	12004	11972	11997	12157	12381	12226	12236	12543	13554	14302	14865	15232	15667	15952	16088	15849	15591	15439	15759	15991	16226	16143	16105	16144	16019	15649	15201	14704	14532	14642	15103	15159	15097	14969	14761	14414	14129	13970	13588		
SRev ST-Coal		145	164	184	182	182	169	181	182	185	186	181	178	181	184	179	169	176	184	149	177	118	178	179	151	140	136	136	134	135	64	128	123	138	154	144	115	141	137	108	118	126	130	121	63	140	172	95	200		
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	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	0
SRev CCGT-Gas		873	1071	1487	1710	1891	2038	2217	2233	2283	2372	2356	2334	2258	1999	2192	2220	1910	1447	1031	710	550	470	490	480	583	724	779	654	494	468	520	438	464	458	491	680	815	772	818	666	651	639	550	612	747	715	699	778		
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	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	0
SRev Co-Gen		-14	-11	-10	-10	-12	-11	-8	-12	-11	-12	-11	-12	-12	-14	-15	-16	-14	-14	-13	-17	-16	-15	-13	-14	-14	-13	-12	-14	-14	-15	-12	-13	-14	-11	-13	-14	-15	-15	-13	-16	-16	-15	-15	-16	-17	-18	-17	-17		
Syncon		1101	1252	1252	1252	1252	1252	1353	1454	1454	1454	1454	1454	1454	1454	1303	1454	1252	799	799	626	626	500	500	500	626	626	626	428	302	302	302	302	302	676	676	676	953	277	151	151	277	277	277	277	464	651	953			
Hydro		137	68	88	77	92	85	67	86	101	109	111	116	90	62	90	200	56	132	523	517	616	463	257	186	353	187	225	187	435	419	580	462	351	378	283	232	392	318	934	706	679	618	447	457	305	235	227	102		
S.Reserve Total		2242	2544	3001	3211	3405	3533	3810	3943	4012	4109	4091	4070	3971	3685	3900	3876	3582	3001	2489	2186	1894	1722	1413	1303	1562	1660	1754	1587	1478	1238	1517	1317	1245	1286	1581	1714	2009	2165	2124	1625	1591	1649	1380	1393	1452	1568	1655	2016		