

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,657 MW
Hydro	2,088 MW
Distillate	0 MW
<b>Total TNB</b>	<b>4,745 MW</b>
<b>Total IPP</b>	<b>15,542 MW</b>
<b>Total Co-Gen</b>	<b>60 MW</b>
<b>Total System</b>	<b>20,911 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	37,883	10.63 %
Hydro	24,013	6.74 %
<b>Total TNB</b>	<b>61,896</b>	<b>17.36 %</b>
ST-Coal	194,130	54.45 %
Gas	98,171	27.54 %
<b>Total IPP</b>	<b>292,301</b>	<b>81.99 %</b>
Co-Gen	1,406	0.39 %
<b>Total Co-Gen</b>	<b>1,406</b>	<b>0.39 %</b>
<b>Total Generation</b>	<b>355,603</b>	<b>99.74 %</b>
PLTG	-214	-0.06 %
HVDC	-698	-0.20 %
<b>Interconnection</b>	<b>-912</b>	<b>-0.26 %</b>
<b>Net Energy</b>	<b>356,515</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	18,047 MW
TNB Generation	3,317 MW
IPP Generation	13,543 MW
Spinning Reserve	1,131 MW
Maximum Demand	16,977 MW
Net Energy	356,515 MWH
Load Factor	87.50 %

### Fuel Cost

Total Cost:	58,815,333.45 RM
Cost per Unit	17.73 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	600
Hydro	203
Syncon	514
Thermal	121
<b>Total</b>	<b>1,438</b>

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Cloudy	25

### Gas Usage

Station	(mmscfd)
GLGR	52
PGPS	16
TJGS	206
<b>Total TNB</b>	<b>273</b>
CBPS	51
KLPP	61
NPRI	155
PGLA	106
PLPS	86
PTEK	3
SGB3	83
SGRI	110
YPKA	73
<b>Total IPP</b>	<b>730</b>
<b>Total Gas</b>	<b>1,003</b>

**Total Gas Required 1,003**

### 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	14251	13577	13136	12804	12386	12242	12590	12489	12968	14771	15626	16382	16352	16062	16637	16907	16926	16487	15448	15751	16180	16066	15524	14908



### 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	
TJGS	ST1C	259	259	259	223	184	181	181	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	
TJGS	GT2A	223	222	222	222	222	219	131	129	129	129	129	130	129	129	144	212	212	212	212	209	212	209	210	211	211
TJGS	GT2B	219	218	218	218	218	218	124	124	124	124	124	124	124	144	209	207	207	207	207	206	206	206	206	206	208
TJGS	ST2C	264	264	264	264	261	261	261	202	200	200	200	200	200	200	253	253	255	255	255	255	255	255	255	255	255
YPKA	GT11	132	65	65	64	64	65	65	65	65	65	65	65	65	65	109	124	130	130	129	130	130	128	113	115	
YPKA	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	70	132	123	124	123	123	124	121	89	91	
YPKA	ST10	59	34	34	34	34	34	34	34	34	34	34	34	34	34	58	121	120	121	120	122	122	121	105	105	
YPKA	GT21	133	62	62	62	62	62	62	62	62	62	62	61	62	62	129	129	130	129	128	129	129	126	60	61	
YPKA	ST20	65	39	39	39	39	39	39	39	39	39	39	39	39	38	38	39	62	63	64	64	64	64	64	39	
Total CCGT-Gas		5006	4789	4800	4561	4518	4256	4258	4016	3981	4034	3956	3978	4217	4291	4007	3926	4440	5144	5773	6076	6351	6431	6876	6940	
PTEK	GT1B	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 CCGT-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	0	0	0	0	0	0	0	0	0	0	0	0	0	21	21	21	21	21	21	21	21	21	21	
BSIA	HY02	10	10	15	15	15	15	15	15	15	15	15	15	15	15	23	23	23	23	23	23	23	23	23	23	
BSIA	HY03	11	11	0	0	0	0	0	0	0	0	0	0	0	24	23	23	23	23	23	23	23	23	23	23	
CEND	HY01	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
CEND	HY02	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
CEND	HY03	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
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	34	0	0	0	0	0	0	0	0	0	0	0	0	34	34	34	35	34	34	34	34	34	34	34	
KNRG	HY02	36	37	0	0	0	0	0	0	0	0	0	0	0	36	36	36	36	36	36	36	36	36	36	36	
KNRG	HY03	36	37	24	23	24	23	24	24	24	24	24	25	24	24	24	24	24	36	36	36	36	36	36	36	
KNYR	HY01	93	98	97	95	99	95	95	98	95	98	97	99	99	98	95	99	99	98	98	98	97	97	98	98	
KNYR	HY02	95	100	98	97	101	96	97	100	97	99	99	100	101	99	97	100	100	0	0	0	0	0	98	97	
KNYR	HY03	94	99	98	96	100	95	96	99	96	99	98	99	99	98	98	98	98	98	98	98	98	98	98	98	
KNYR	HY04	94	98	98	96	98	96	96	98	97	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	
LPIA	HY01	21	21	21	21	21	21	21	21	21	21	21	21	21	21	20	21	21	21	21	21	21	21	21	21	
LPIA	HY02	16	16	16	16	16	16	16	16	16	16	16	14	14	14	14	11	11	11	11	16	16	16	16	16	
MNOR	HY01	6	6	6	6	6	6	6	6	6	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
PGAU	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	
PGAU	HY02	21	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	81	82	82	82	82	21	20	112	
PGAU	HY03	-1	21	-1	-1	-1	21	-1	-1	-1	23	23	-1	-1	19	-1	-1	-1	80	81	81	79	80	22	82	
SIHY	HY01	51	51	51	51	51	51	51	51	0	0	0	0	0	0	0	0	0	30	30	50	50	50	50	30	
SIHY	HY02	51	51	51	51	51	51	51	51	0	0	0	0	0	0	0	0	0	30	30	50	50	50	50	30	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	25	25	25	25	16	16	
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	25	25	25	25	16	16	
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	25	25	25	25	16	16	
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	25	25	25	25	16	16	
TMGR	HY01	77	33	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	81	81	81	81	81	81	81	
TMGR	HY03	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	78	78	80	80	80	79	80	
TMGR	HY04	75	80	32	28	32	27	33	31	31	33	33	33	33	32	30	32	33	81	81	80	81	81	81	81	
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	
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	
UPIA	HY01	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		940	827	643	631	650	628	659	646	636	545	564	568	568	544	539	548	541	674	781	839	908	1147	1151	1174	
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	

### 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																											
PCUF	CUFG	31	30	30	31	30	30	29	30	29	29	29	30	29	30	31	31	30	30	29	29	28	27	27	29	30	29	27	28	28	28	28	28	27	29	31	31	31	32	31	31	31	33	32	32	32	32	31				
PCUF	CUFK	30	30	29	30	28	29	29	28	29	30	28	29	29	29	29	29	29	28	28	28	29	29	28	30	29	29	29	28	29	29	30	28	28	28	28	29	28	29	28	29	28	29	29	29	28	28					
Total Co-Gen		61	60	59	61	58	59	59	57	59	59	57	58	59	58	59	59	58	56	55	55	58	59	57	57	57	57	56	57	56	58	61	59	59	60	60	59	60	61	61	61	61	61	60	59							
Total Gen		14233	13825	13480	13129	13091	12799	12699	12389	12356	12309	12231	12270	12529	12768	12483	12405	12919	13860	14696	15203	15577	15896	16338	16428	16296	16129	16040	16274	16565	16860	16831	16916	16899	16855	16504	15826	15446	15217	15729	16221	16166	16152	16020	15896	15500	15256	14922	14621			
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				
TIE-HVDC		-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-30	-30	-29	-29	-29	-30	-30	-30	-29	-29	-29	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29				
TIE-PLTG		12	-61	-68	-11	-17	9	-76	8	-1	-23	19	19	-32	29	23	35	-21	-46	-47	-107	-20	-44	-15	-28	-28	11	8	5	-42	-4	-47	-32	2	-5	46	36	26	-36	7	-6	14	40	-17	28	5	-49	43	25			
Interconnection		-18	-90	-97	-40	-45	-20	-105	-21	-30	-52	-11	-10	-61	0	-6	6	-49	-74	-75	-136	-49	-73	-44	-56	-56	-19	-22	-25	-72	-33	-76	-61	-27	-34	17	6	-2	-65	-22	-36	-14	12	-46	-1	-24	-78	14	-4			
System Total		14251	13915	13577	13169	13136	12819	12804	12410	12386	12361	12242	12280	12590	12768	12489	12399	12968	13934	14771	15339	15626	15969	16382	16484	16352	16148	16062	16299	16637	16893	16907	16977	16926	16889	16487	15820	15448	15282	15751	16257	16180	16140	16066	15897	15524	15334	14908	14625			
SRev ST-Coal		130	207	273	286	291	303	382	388	380	385	393	391	369	285	284	286	280	282	252	126	96	94	100	97	85	90	116	91	92	108	121	121	114	115	107	101	113	102	124	144	134	137	178	130	92	136	130	128			
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	86	-2	-2	-1	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		809	1026	1015	1254	1297	1559	1557	1799	1834	1781	1859	1837	1598	1524	1808	1889	1471	1183	670	648	669	739	479	495	634	816	737	584	547	420	525	439	466	508	640	1020	1149	1266	1003	590	637	650	532	703	880	829	919	1106			
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		-1	0	1	-1	2	1	1	3	1	1	3	2	1	2	1	1	0	1	1	2	2	4	5	5	2	1	3	3	3	3	3	4	3	4	2	-1	1	1	0	0	1	0	-1	-1	-4	-4	-3	-2			
Syncon		802	651	887	887	887	887	736	887	887	736	736	736	887	887	736	887	887	802	802	802	651	651	500	500	500	500	500	500	500	313	313	313	313	313	500	500	500	500	500	500	500	500	500	500	500	500	500	500			
Hydro		246	363	98	110	91	113	233	95	105	96	228	224	224	97	102	244	100	92	55	97	128	190	186	314	322	303	493	437	182	257	256	256	254	253	198	393	310	433	163	164	181	180	178	183	196	158	184	169			
S.Reserve Total		1986	2247	2274	2536	2568	2863	2909	3172	3207	3150	3219	3190	2928	2795	3082	3156	2738	2445	1780	1675	1697	1678	1421	1411	1543	1710	1849	1615	1324	1187	1216	1131	1148	1192	1493	2013	2073	2302	1790	1398	1453	1467	1387	1515	1664	1619	1730	1901			