

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,549 MW
Hydro	1,987 MW
Distillate	0 MW
Total TNB	5,536 MW
Total IPP	15,800 MW
Total Co-Gen	80 MW
Total System	21,980 MW

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:	16:00:00 Hour
Total Set On Bus	18,631 MW
TNB Generation	3,152 MW
IPP Generation	13,793 MW
Spinning Reserve	1,617 MW
Maximum Demand	16,950 MW
Net Energy	360,794 MWH
Load Factor	88.69 %

Gas Usage

Station	(mmscfd)
GLGR	48
SRDG	5
TJGS	204
Total TNB	256
CBPS	53
KLPP	91
MPSS	27
NPRI	117
PGLA	102
PLPS	69
PTEK	7
SGB3	66
SGRI	139
SKSP	50
YPKA	63
Total IPP	783
Total Gas	1,040

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
Gas	36,567	10.14 %
Hydro	15,990	4.43 %
Total TNB	52,557	14.57 %
ST-Coal	202,638	56.16 %
Gas	105,052	29.12 %
Total IPP	307,690	85.28 %
Co-Gen	1,708	0.47 %
Total Co-Gen	1,708	0.47 %
Total Generation	361,955	100.32 %
PLTG	436	0.12 %
HVDC	725	0.20 %
Interconnection	1,161	0.32 %
Net Energy	360,794	100.00 %

Fuel Cost

Total Cost:	59,104,752.51 RM
Cost per Unit	17.08 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	751
Hydro	282
Syncon	588
Thermal	169
Total	1,790

Time Weather Temperature

Afternoon	Hot	35
Morning	Cloudy	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	14796	14076	13512	13105	12707	12585	12785	12781	13159	14979	15838	16420	16406	16018	16585	16822	16950	16548	15409	15175	16343	16348	15969	15482

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																										
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																
PCUF	CUFG	37	37	38	37	37	36	37	36	36	37	37	37	36	36	35	35	34	34	35	35	34	33	34	34	32	33	34	33	34	33	34	35	37	37	37	37	37	37												
PCUF	CUFK	32	35	35	35	36	36	35	35	36	36	36	35	35	36	38	39	37	36	36	35	35	34	34	35	34	35	36	35	36	36	35	35	35	35	35	35	36	35	35											
Total Co-Gen		69	72	73	72	73	72	72	71	72	73	73	71	72	73	74	72	72	71	70	71	72	73	72	71	70	68	69	70	67	68	68	67	69	67	69	71	72	73	73	72	72	72	72	73	72	72				
Total Gen		14850	14355	14104	13864	13569	13286	13166	12901	12731	12682	12619	12615	12802	12938	12824	12638	13156	14134	15000	15460	15875	16275	16475	16650	16462	16169	16064	16237	16607	16808	16924	16905	17014	17020	16606	16057	15482	15241	15226	16007	16377	16407	16410	16223	16010	15751	15527	15174		
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		
TIE-HVDC		30	30	30	30	31	31	30	30	30	30	31	31	30	30	30	31	31	31	31	29	29	29	29	30	30	30	30	30	30	30	31	31	31	31	30	30	30	30	31	31	31	31	30	30	30	30	31	31		
TIE-PLTG		24	28	-2	34	27	13	30	40	-6	6	4	2	-14	-28	13	49	-33	-1	-10	-12	6	-2	25	34	27	10	16	5	-8	27	73	34	34	56	28	75	43	15	20	-22	4	34	32	54	11	80	15	-15		
Interconnection		54	58	28	64	57	44	61	70	24	35	34	32	17	3	43	79	-3	29	21	19	37	29	55	63	56	39	46	35	22	57	102	64	64	86	58	105	73	45	51	8	34	64	62	84	41	110	45	16		
System Total		14796	14297	14076	13800	13512	13242	13105	12831	12707	12647	12585	12583	12785	12935	12781	12559	13159	14105	14979	15441	15838	16246	16420	16587	16406	16130	16018	16202	16585	16751	16822	16841	16950	16934	16548	15952	15409	15196	15175	15999	16343	16343	16348	16139	15969	15641	15482	15158		
SRev ST-Coal		168	225	148	197	233	277	282	279	271	275	248	273	259	260	279	246	131	65	28	223	191	136	194	196	177	182	18	125	200	172	186	183	150	178	210	182	142	173	174	165	163	147	132	149	209	185	165	178		
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	1	21	108	79	80	55	62	47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		1423	1633	1678	1815	1964	2201	2176	2360	2645	2591	2702	2594	2365	2227	2299	2498	2047	1544	1212	1118	839	593	674	699	744	1017	827	893	573	649	545	620	867	726	554	672	1274	1496	1494	711	540	665	669	676	859	890	1035	1247		
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		11	8	7	8	7	8	8	9	8	7	7	9	8	7	6	8	8	9	10	9	8	7	8	9	10	12	11	10	13	12	12	13	11	13	11	9	8	7	7	8	8	8	8	8	7	8	8	8		
Syncon		705	705	790	725	725	725	826	977	977	977	826	1078	1078	1078	927	1078	1078	876	876	876	876	554	554	554	554	554	554	403	579	302	302	579	302	302	579	705	790	790	790	876	876	579	453	579	579	579	664	513		
Hydro		116	117	114	194	187	202	189	73	64	169	297	130	88	89	114	283	147	143	112	136	134	269	489	336	497	510	578	704	330	380	383	251	232	330	175	241	246	308	324	248	151	309	343	255	253	260	153	271		
S.Reserve Total		2423	2688	2737	2939	3116	3413	3481	3698	3965	4019	4080	4084	3798	3661	3776	3962	3411	2839	2238	2362	2048	1881	1919	1794	1982	2275	1988	2136	1716	1623	1507	1726	1617	1611	1576	1809	2460	2774	2789	2008	1738	1708	1605	1667	1907	1922	2025	2217		