

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,791 MW
Hydro	2,509 MW
Distillate	0 MW
Total TNB	5,300 MW
Total IPP	14,520 MW
Total Co-Gen	0 MW
Total System	20,384 MW

Generation Mix

Type	MWh	Percentage
Gas	39,440	12.54 %
Hydro	25,366	8.07 %
Total TNB	64,806	20.61 %
ST-Coal	177,792	56.55 %
Gas	70,446	22.41 %
Total IPP	248,238	78.95 %
Co-Gen	710	0.23 %
Total Co-Gen	710	0.23 %
Total Generation	313,754	99.79 %
PLTG	-49	-0.02 %
HVDC	-605	-0.19 %
Interconnection	-654	-0.21 %
Net Energy	314,408	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:	20:30:00 Hour
Total Set On Bus	16,223 MW
TNB Generation	3,783 MW
IPP Generation	11,490 MW
Spinning Reserve	920 MW
Maximum Demand	15,308 MW
Net Energy	314,408 MWH
Load Factor	85.58 %

Fuel Cost

Total Cost:	46,800,015.72 RM
Cost per Unit	16.23 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	272
Hydro	533
Syncon	504
Thermal	144
Total	1,453

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	55
SRDG	10
TJGS	216
Total TNB	282
CBPS	57
KLPP	84
NPRI	150
PGLA	91
PKLG	2
PLPS	78
PTEK	21
Total IPP	483
Total Gas	765

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Total Gas Required 765

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	12670	12219	11821	11278	11049	10974	11051	11071	11142	11890	12893	13599	13660	13586	13948	14156	14234	14214	13839	13809	15243	15263	14910	14716

Daily MW Generation on Monday

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																										
Interconnection		28	82	38	-33	-59	-20	6	-79	-12	-27	-2	-54	-90	-93	-18	32	-56	17	-72	18	-35	-77	-17	-15	-46	4	-30	72	-42	-92	-2	-60	-65	-29	-42	-70	-44	-17	-60	-89	-22	-5	-26	11	-26	-45	-31	-13		
System Total		12670	12436	12219	12009	11821	11546	11278	11266	11049	11080	10974	11073	11051	11196	11071	10832	11142	11634	11890	12419	12893	13341	13599	13673	13660	13557	13586	13929	13948	14214	14156	14307	14234	14341	14214	14006	13839	13661	13809	14956	15243	15308	15263	15243	14910	14917	14716	14434		
SRev ST-Coal		78	86	90	167	158	297	159	159	216	226	226	209	201	201	192	197	191	117	-15	48	32	68	76	152	136	138	121	161	140	131	141	143	129	142	134	140	61	27	30	260	259	257	252	249	264	242	256	263		
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	113	56	-10	-10	-7	-12	-10	33	87	
SRev CCGT-Gas		353	165	156	284	309	427	549	659	685	492	500	535	584	444	488	718	664	466	722	691	407	124	346	284	246	264	187	164	195	261	247	167	209	178	122	190	206	206	145	93	188	183	192	168	228	143	207	274		
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		35	18	8	9	8	9	12	8	11	10	9	10	8	9	10	10	9	11	9	10	10	11	11	-1	1	1	1	1	0	-1	1	0	-1	-1	-1	-1	0	-1	1	-1	0	0	0	1	0	-2	-2	0		
Syncon		647	626	863	863	1102	1102	1253	1253	1253	1102	1253	1253	1102	1253	1102	951	951	951	951	777	777	777	626	777	439	439	439	439	439	439	439	439	439	439	439	439	439	439	187	0	0	0	187	187	500	500	626			
Hydro		330	348	433	508	238	216	140	131	83	80	288	224	92	90	102	219	89	190	348	372	339	379	462	459	619	803	601	477	663	684	654	701	752	627	581	743	656	782	733	388	399	490	549	367	669	376	445	177		
S Reserve Total		1448	1248	1555	1836	1829	2056	2118	2215	2253	2066	2130	2085	2143	2002	2050	2251	2211	1891	2020	2077	1744	1538	1672	1671	1779	1832	1687	1242	1437	1514	1482	1450	1528	1385	1275	1511	1362	1453	1348	1040	902	920	983	965	1336	1249	1439	1427		