

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,791 MW
Hydro	1,825 MW
Distillate	0 MW
Total TNB	4,616 MW
Total IPP	15,216 MW
Total Co-Gen	57 MW
Total System	20,453 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:	15:30:00 Hour
Total Set On Bus	18,255 MW
TNB Generation	3,390 MW
IPP Generation	13,655 MW
Spinning Reserve	1,174 MW
Maximum Demand	17,115 MW
Net Energy	357,880 MWH
Load Factor	87.13 %

Gas Usage

Station	(mmscfd)
GLGR	56
PGPS	39
SRDG	22
TJGS	211
Total TNB	329
CBPS	52
KLPP	97
MPSS	48
NPRI	149
PDPS	7
PKLG	8
PLPS	95
PTEK	35
SGB3	76
SGRI	52
SKSP	51
YPKA	31
Total IPP	703
Total Gas	1,032
Total Gas Required	1,032

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
Gas	44,274	12.37 %
Hydro	21,116	5.90 %
Total TNB	65,390	18.27 %
ST-Coal	200,883	56.13 %
Gas	91,204	25.48 %
Total IPP	292,087	81.62 %
Co-Gen	805	0.22 %
Total Co-Gen	805	0.22 %
Total Generation	358,282	100.11 %
PLTG	1,097	0.31 %
HVDC	-695	-0.19 %
Interconnection	402	0.11 %
Net Energy	357,880	100.00 %

Fuel Cost

Total Cost:	60,286,022.45 RM
Cost per Unit	17.87 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	472
Hydro	301
Syncon	370
Thermal	135
Total	1,278

Time Weather Temperature

Afternoon	Hot	35
Morning	Sunny	25

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	14018	13551	12979	12697	12641	12089	12004	12052	12586	14760	15781	16352	16342	16208	16700	16913	17078	16757	15585	15633	16372	16230	15835	15619

Daily MW Generation on Thursday

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																										
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	93	91	-1	-1	94	90	94	83	-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	7	7	7	7	7	7	7	7																		
Total Hydro		1141	808	564	563	560	561	535	510	535	529	535	532	525	536	536	537	537	608	756	710	789	1085	1050	1110	1044	903	820	1036	1142	1317	1178	1215	1216	1215	1216	940	787	626	953	1477	1473	1460	1441	1048	935	838	842	812		
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	0
PCUF		34	32	32	34	33	33	34	35	35	34	34	33	33	33	34	34	34	33	35	34	35	34	32	32	33	35	34	34	33	32	33	36	34	34	32	36	34	35	34	32	32	33	32	33	33	34	34	33		
Total Co-Gen		34	32	32	34	33	33	34	35	35	34	34	33	33	33	34	34	34	33	35	34	35	34	32	32	33	35	34	34	33	32	33	36	34	34	32	36	34	35	34	32	32	33	32	33	33	34	34	33		
Total Gen		14102	13862	13547	13287	13041	12958	12740	12627	12615	12522	12110	12049	12001	12166	12094	12236	12639	13905	14721	15256	15716	16056	16322	16614	16379	16243	16182	16544	16698	17104	16947	17081	17118	17119	16770	16183	15578	15262	15681	16404	16391	16448	16293	16172	15875	15796	15628	15355		
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	0
TIE-HVDC		-29	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-29	-28	-28	-29	-29	-29	-29	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-30	-30	-29	-29	-30	-29	-28	-28	
TIE-PLTG		113	83	25	92	91	30	73	36	2	111	50	60	26	41	71	100	82	72	-11	34	-36	-35	0	63	66	14	3	19	27	51	62	-5	68	36	42	40	23	18	78	-18	48	60	94	33	69	92	38	67		
Interconnection		84	54	-4	63	62	1	-43	7	-26	83	21	31	-3	12	42	71	53	43	-39	5	-65	-63	-30	34	37	-15	-26	-10	-2	22	34	-34	40	8	13	10	-7	-12	48	-48	19	31	63	3	40	63	9	38		
System Total		14018	13808	13551	13224	12979	12957	12697	12620	12641	12439	12089	12018	12004	12154	12052	12165	12586	13862	14760	15261	15781	16119	16352	16580	16342	16258	16208	16554	16700	17082	16913	17115	17078	17111	16757	16173	15585	15274	15633	16452	16372	16417	16230	16169	15835	15733	15619	15317		
SRev ST-Coal		222	65	360	363	337	359	360	362	340	370	361	366	364	350	354	359	339	365	329	219	108	115	115	125	138	121	115	108	117	97	128	128	137	120	145	147	131	154	138	146	160	120	93	50	125	135	124	133		
SRev OCCG-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	-10	-2	-1	-1	0	46	84	14	40	51	122	87	194	121	113	116	72	70	81	36	80	13	110	34	34	0
SRev CCGT-Gas		549	606	598	838	1008	1022	1208	1300	1359	1413	1837	1893	1935	1796	1862	1718	1340	609	619	447	188	330	253	234	390	404	386	324	326	289	469	364	355	405	621	680	720	850	817	610	550	529	647	486	579	505	580	739		
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		23	25	25	23	24	24	23	22	22	23	24	24	24	23	23	24	22	23	22	23	25	25	24	22	23	23	24	25	24	21	23	23	25	21	23	22	23	25	25	24	25	24	24	24	23	23	24			
Syncon		626	626	711	711	711	711	711	711	711	711	711	711	711	711	711	711	711	711	711	711	626	500	500	374	374	500	626	374	374	374	374	374	374	374	374	374	313	439	711	626	0	0	0	0	313	313	500	500	500	
Hydro		58	46	80	81	84	83	109	134	109	115	109	112	119	108	107	107	36	71	266	335	240	275	341	407	422	379	290	309	134	148	236	235	236	235	397	424	230	171	373	372	360	395	475	422	332	333	338			
S Reserve Total		1478	1538	1944	2186	2334	2369	2581	2699	2711	2802	3211	3276	3323	3159	3228	3088	2690	1915	1839	1666	1279	1208	1158	1097	1332	1468	1529	1165	1234	933	1308	1174	1246	1245	1594	1679	1850	2166	1847	1224	1193	1074	1245	1366	1578	1534	1594	1759		