

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	1,936 MW
Hydro	2,509 MW
Distillate	0 MW
Total TNB	4,445 MW
Total IPP	15,459 MW
Total Co-Gen	0 MW
Total System	20,468 MW

Generation Mix

Type	MWh	Percentage
Gas	23,859	7.06 %
Hydro	13,162	3.89 %
Total TNB	37,021	10.95 %
ST-Coal	190,288	56.30 %
Gas	108,694	32.16 %
Total IPP	298,982	88.46 %
Co-Gen	967	0.29 %
Total Co-Gen	967	0.29 %
Total Generation	336,970	99.70 %
PLTG	-308	-0.09 %
HVDC	-697	-0.21 %
Interconnection	-1,005	-0.30 %
Net Energy	337,975	100.00 %

Maximum Demand Record

Date: 10/23/2017	17,790 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	17,293 MW
TNB Generation	1,999 MW
IPP Generation	13,560 MW
Spinning Reserve	1,693 MW
Maximum Demand	15,672 MW
Net Energy	337,975 MWH
Load Factor	89.86 %

Fuel Cost

Total Cost:	57,860,377.91 RM
Cost per Unit	17.87 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	309
Hydro	479
Syncon	806
Thermal	117
Total	1,711

Time Weather Temperature

Afternoon	Rainy	29
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	32
SRDG	19
TJGS	128
Total TNB	179
CBPS	52
KLPP	102
NPRI	158
PGLA	96
PLPS	98
PTEK	28
SGRI	88
SKSP	36
YPKA	85
Total IPP	743
Total Gas	922

Total Gas Required 922

Alternate Fuel Usage

Station	(mmscfd)
Total	0

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	14075	13387	12921	12514	12212	12035	11992	12258	12419	13930	14819	15380	15407	14980	15148	15568	15621	15264	14442	14461	15178	14996	14502	14198

Daily MW Generation on Friday

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
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
Total Hydro		291	288	230	229	232	230	229	233	230	226	227	224	224	226	226	248	223	375	373	569	640	857	753	714
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
PCUF	CUFG	33	32	33	34	33	32	32	33	32	32	33	32	32	33	32	33	32	31	32	30	31	31	31	31
PCUF	CUFK	8	9	11	10	9	9	10	10	9	8	10	10	9	9	8	10	11	10	12	9	9	10	9	10
Total Co-Gen		41	41	44	44	42	41	42	43	41	40	43	42	41	41	42	41	41	42	43	46	41	42	43	46
Total Gen		14092	13520	13291	13041	12907	12630	12491	12355	12200	12154	11984	11955	11948	12071	12258	12161	12420	13367	13832	14356	14733	14979	15284	15329
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
TIE-HVDC		-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTC		46	0	-68	-60	15	-12	6	2	17	4	-22	-24	-15	-20	29	-9	30	3	-69	-10	-58	-61	-67	
Interconnection		17	-28	-96	-88	-14	-41	-23	-28	-12	-25	-51	-52	-44	-48	0	-38	1	-26	-98	-39	-86	-90	-96	
System Total		14075	13548	13387	13129	12921	12671	12514	12383	12212	12179	12035	12007	11992	12119	12258	12199	12419	13393	13930	14395	14819	15069	15380	
SRev ST-Coal		117	129	122	177	184	180	97	93	101	107	97	82	108	99	182	155	154	180	199	197	195	127	106	
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
SRev CCGT-Gas		987	1194	660	821	859	1064	1066	1211	1353	1388	1572	1612	1127	1015	832	1108	824	435	511	403	213	172	162	
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
SRev Co-Gen		16	16	13	13	15	16	15	14	16	17	14	15	16	16	15	14	11	16	15	14	15	15	17	
Symcon		1074	1074	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1049	1200	1200	1099	1099	822	948	948	797	797	797	948
Hydro		271	274	268	269	266	268	269	265	268	272	271	274	274	272	272	401	275	249	251	306	335	395	373	412
S.Reserve Total		2465	2687	2263	2480	2524	2728	2647	2783	2938	2984	3154	3183	2725	2602	2501	2729	2469	2079	2175	2019	1853	1532	1689	