

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,546 MW
Hydro	2,275 MW
Distillate	0 MW
Total TNB	4,821 MW
Total IPP	14,005 MW
Total Co-Gen	0 MW
Total System	19,390 MW

Generation Mix

Type	MWh	Percentage
Gas	42,393	12.48 %
Hydro	18,309	5.39 %
Total TNB	60,702	17.87 %
ST-Coal	190,775	56.17 %
Gas	85,928	25.30 %
Total IPP	276,703	81.47 %
Co-Gen	1,350	0.40 %
Total Co-Gen	1,350	0.40 %
Total Generation	338,755	99.75 %
PLTG	-165	-0.05 %
HVDC	-698	-0.21 %
Interconnection	-863	-0.25 %
Net Energy	339,618	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	17,432 MW
TNB Generation	3,201 MW
IPP Generation	12,705 MW
Spinning Reserve	1,475 MW
Maximum Demand	16,001 MW
Net Energy	339,618 MWH
Load Factor	88.44 %

Fuel Cost

Total Cost:	57,839,252.65 RM
Cost per Unit	18.05 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	428
Hydro	379
Syncon	785
Thermal	110
Total	1,702

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Rainy	32
Morning	Cloudy	24

Gas Usage

Station	(mmscfd)
GLGR	54
PGPS	35
SRDG	3
TJGS	212
Total TNB	304
CBPS	0
KLPP	94
MPSS	34
NPRI	79
PGLA	6
PLPS	93
PTEK	3
SGB3	81
SGRI	76
SKSP	49
YPKA	79
Total IPP	594
Total Gas	898
Total Gas Required	898

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	13419	12808	12407	12065	11873	11822	12044	12224	12619	14096	15102	15675	15729	15286	15515	15910	15854	15548	14631	15080	15435	15156	14625	14173

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
TMGR	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	81	81	81	81	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	92	-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		771	715	753	719	721	682	509	510	406	419	430	412	401	427	408	405	412	395	444	711	704	708	848	1001
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	18	19	19	18	17	17	17	18	17	19	18	18	18	19	18	18	17	15	16	16	15	13	12	12
PCUF	CUFK	27	40	40	41	40	40	39	40	41	41	39	38	39	40	40	39	40	39	40	40	39	41	42	40
Total Co-Gen		45	59	59	59	57	57	56	58	58	60	57	56	57	58	59	57	54	56	57	54	53	52	50	51
Total Gen		13397	12921	12747	12491	12354	12240	12037	11918	11798	11848	11788	11910	11981	12275	12212	12182	12589	13422	14027	14635	15007	15352	15596	15711
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		-30	-30	-30	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-28	-28	-30	-29	-29	-29
TIE-PLTG		8	-23	-31	13	-24	-30	0	-15	-46	-16	-5	24	-33	7	16	60	-1	24	-41	-19	-66	-3	-49	-35
Interconnection		-22	-53	-61	-16	-53	-59	-28	-45	-75	-46	-34	-6	-63	-22	-12	31	-30	-4	-69	-48	-95	-33	-79	-64
System Total		13419	12974	12808	12507	12407	12299	12065	11963	11873	11894	11822	11916	12044	12297	12224	12151	12619	13426	14096	14683	15102	15385	15675	15775
SRev ST-Coal		270	272	259	263	272	270	283	256	276	264	271	280	288	279	281	172	173	165	153	147	144	147	88	99
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		1434	1364	1131	1288	1316	1399	1414	1563	1562	1536	1599	1448	1361	1100	1141	1177	1305	819	445	530	405	225	179	205
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		12	-2	-2	-2	0	0	1	-1	-1	-3	0	1	0	-1	-2	0	-1	0	3	1	0	3	4	5
Syncon		1001	1127	976	1127	1127	1037	1188	1188	1188	1188	1037	1188	1188	1188	1037	1188	1188	1014	1014	863	712	712	712	949
Hydro		270	212	325	208	206	335	257	256	210	197	337	204	215	189	208	211	355	221	303	210	217	414	425	472
S.Reserve Total		2987	2973	2669	2884	2921	3041	3143	3262	3235	3182	3244	3121	3052	2755	2816	2748	2869	2393	2092	1902	1780	1652	1408	1493