

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,848 MW
Hydro	2,160 MW
Distillate	0 MW
Total TNB	5,008 MW
Total IPP	13,714 MW
Total Co-Gen	80 MW
Total System	19,366 MW

Generation Mix

Type	MWh	Percentage
ST-Gas	24	0.01 %
Gas	34,015	11.00 %
Hydro	12,525	4.05 %
Total TNB	46,564	15.06 %
ST-Coal	170,684	55.21 %
Gas	91,431	29.57 %
Total IPP	262,115	84.78 %
Co-Gen	1,559	0.50 %
Total Co-Gen	1,559	0.50 %
Total Generation	310,238	100.35 %
PLTG	358	0.12 %
HVDC	723	0.23 %
Interconnection	1,081	0.35 %
Net Energy	309,157	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	15,967 MW
TNB Generation	2,605 MW
IPP Generation	11,798 MW
Spinning Reserve	1,498 MW
Maximum Demand	14,414 MW
Net Energy	309,157 MWH
Load Factor	89.37 %

Fuel Cost

Total Cost:	49,184,023.10 RM
Cost per Unit	16.52 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	249
Hydro	348
Syncon	829
Thermal	242
Total	1,668

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Cloudy	28

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	13729	13049	12512	12217	11925	11745	11724	11164	11065	11740	12466	12839	13029	12982	13407	13525	13517	13233	12860	13089	14338	14369	14146	13974

Gas Usage

Station	(mmscfd)
CBPS	36
GLGR	54
PAKA	4
PGPS	51
SRDG	4
TJGS	110
Total TNB	259

CBPS	54
KLPP	111
MPSS	50
NPRI	146
PDPS	7
PGLA	56
PKLG	8
PLPS	65
PTEK	30
SGRI	163
Total IPP	691
Total Gas	950

Total Gas Required	950
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Alternate Fuel Usage

Station	(mmscfd)
Total	0

Daily MW Generation on Sunday

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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-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	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
UPIA	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		419	441	442	370	363	369	367	343	359	341	339	338	334	327	258	205	206	205	206	228	456	419	415	419
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	38	37	37	39	39	39	39	39	39	39	38	39	37	37	38	38	37	36	36	35	35	34	34	34
PCUF	CUFK	33	31	30	30	28	30	29	29	31	30	31	30	29	30	29	30	28	30	30	27	27	27	26	24
Total Co-Gen		71	68	67	69	67	69	68	68	70	69	70	68	67	66	68	65	66	66	62	62	61	60	58	58
Total Gen		13753	13546	13092	12859	12549	12494	12260	12169	11962	11912	11774	11715	11779	11801	11296	11025	11085	11416	11799	11997	12565	12754	12878	13048
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	30	30	30	30	30	30	31	31	31	31	30	30	30	30	30	30	29	29	30	30	30
TIE-PLTG		-6	-52	13	-6	6	-17	13	47	6	6	-2	22	24	-8	102	42	-10	68	29	14	69	-13	10	
Interconnection		24	-22	43	23	37	14	43	77	37	36	29	53	55	23	132	73	20	98	59	44	99	17	39	
System Total		13729	13568	13049	12836	12512	12480	12217	12092	11925	11876	11745	11662	11724	11778	11164	10952	11065	11318	11740	11953	12466	12737	12839	13034
SRev ST-Coal		176	188	200	194	197	80	108	104	172	186	203	187	192	191	197	187	270	275	282	281	302	204	238	225
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		293	421	292	376	421	501	704	775	932	949	1069	1141	1068	1039	1468	1698	1495	1155	767	592	227	421	319	165
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		9	12	13	11	13	11	12	12	10	11	10	12	12	13	14	12	12	15	14	14	18	18	19	20
Syncon		1301	1452	1452	1452	1452	1452	1452	1301	1452	1452	1452	1452	1452	1351	1351	1351	1351	1200	1200	1200	1200	1200	1200	973
Hydro		253	80	79	74	81	75	77	101	236	103	105	106	110	92	137	115	114	115	109	238	260	374	383	379
S.Reserve Total		2032	2153	2036	2107	2164	2119	2353	2444	2651	2701	2839	2898	2834	2787	3167	3363	3242	2911	2528	2330	2012	2222	2159	1989