

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,913 MW
Hydro	2,421 MW
Distillate	0 MW
Total TNB	5,334 MW
Total IPP	13,683 MW
Total Co-Gen	60 MW
Total System	19,077 MW

Generation Mix

Type	MWh	Percentage
Gas	62,085	17.31 %
Hydro	10,193	2.84 %
Total TNB	72,278	20.15 %
ST-Coal	196,748	54.86 %
ST-Gas	10,275	2.87 %
Gas	77,839	21.70 %
Total IPP	284,862	79.43 %
Co-Gen	1,058	0.30 %
Total Co-Gen	1,058	0.30 %
Total Generation	358,198	99.88 %
PLTG	260	0.07 %
HVDC	-693	-0.19 %
Interconnection	-433	-0.12 %
Net Energy	358,631	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:	16:30:00 Hour
Total Set On Bus	18,637 MW
TNB Generation	3,734 MW
IPP Generation	13,154 MW
Spinning Reserve	1,700 MW
Maximum Demand	17,013 MW
Net Energy	358,631 MWH
Load Factor	87.83 %

Fuel Cost

Total Cost:	51,029,172.65 RM
Cost per Unit	14.66 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	302
Hydro	302
Syncon	1,058
Thermal	167
Total	1,829

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
CBPS	29
GLGR	14
PAKA	193
SRDG	36
TJGS	212
Total TNB	483
KLPP	100
MPSS	40
NPRI	145
PDPS	27
PGLA	52
PKLG	14
PTEK	48
SGRI	187
PKLG	103
Total IPP	716
Total Gas	1,199
Total Gas Required	1,199

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	14577	13744	13358	12973	12652	12457	12657	12367	12897	14765	15802	16403	16399	16078	16538	16900	16984	16540	15328	15357	16303	16123	15636	15220

Daily MW Generation on Wednesday

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
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	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
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY04	34	37	36	27	35	36	35	35	34	29	27	33	34	35	33	35	34	34	34	35	35	37	38	37
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	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Total Hydro		290	199	218	197	191	188	191	160	152	142	136	178	210	182	170	187	186	282	372	417	497	589	731	744
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	CUFC	33	32	32	33	33	33	33	33	34	34	33	35	35	35	34	33	32	30	31	31	30	30	28	29
PCUF	CUFK	18	19	17	18	18	18	16	17	17	19	18	19	20	19	18	18	17	19	18	19	17	17	18	17
Total Co-Gen		51	51	49	51	51	51	49	50	50	53	52	52	55	54	53	53	52	50	47	49	48	49	48	45
Total Gen		14575	14004	13772	13567	13328	13233	12988	12690	12640	12519	12490	12397	12635	12726	12357	12349	12858	13944	14747	15422	15762	16132	16356	16505
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	-28	-28	-29	-29
TIE-PLTC		27	-4	56	84	-2	22	44	14	17	47	62	0	8	21	19	8	-10	-27	11	11	-11	30	-19	
Interconnection		-2	-33	28	56	-30	-7	15	-15	-12	18	33	-30	-22	-8	-10	-20	-39	-56	-18	-18	-40	1	-47	
System Total		14577	14037	13744	13511	13358	13240	12973	12705	12652	12501	12457	12427	12657	12734	12367	12369	12897	14000	14765	15440	15802	16131	16403	16539
SRev	ST-Coal	174	162	187	211	234	308	311	310	305	317	324	522	512	500	489	507	283	289	209	158	175	191	183	165
SRev	CCGT-Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52	46	97	94	45	172
SRev	ST-Gas	769	912	983	913	1048	1020	1249	1517	1564	1666	1681	1618	1425	1317	1683	1635	1622	964	577	396	231	220	150	80
SRev	Co-Gen	9	9	11	9	9	9	11	10	10	7	8	8	5	6	7	7	8	8	10	13	11	12	11	12
Syncon		1352	1352	1201	1201	1352	1352	1352	1352	1352	1352	1352	1201	1352	1352	1201	1352	1251	1251	999	999	848	1125	1251	999
Hydro		103	94	226	247	102	105	102	133	141	151	157	115	234	111	123	257	107	111	121	177	147	205	315	302
S.Reserve Total		2502	2624	2703	2676	2881	2927	3158	3454	3504	3625	3654	3748	3510	3419	3787	3739	3408	2732	2271	2045	1855	1971	1747	1598