

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,880 MW
Hydro	2,323 MW
Distillate	0 MW
Total TNB	5,203 MW
Total IPP	13,448 MW
Total Co-Gen	50 MW
Total System	18,701 MW

Generation Mix

Type	MWh	Percentage
Gas	62,229	18.74 %
Hydro	16,012	4.82 %
Total TNB	78,241	23.57 %
ST-Coal	150,619	45.37 %
Gas	96,194	28.97 %
Distillate	6,049	1.82 %
Total IPP	252,862	76.16 %
Co-Gen	512	0.15 %
Total Co-Gen	512	0.15 %
Total Generation	331,615	99.89 %
PLTG	316	0.10 %
HVDC	-697	-0.21 %
Interconnection	-381	-0.11 %
Net Energy	331,996	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:	14:30:00 Hour
Total Set On Bus	17,595 MW
TNB Generation	3,860 MW
IPP Generation	11,797 MW
Spinning Reserve	1,917 MW
Maximum Demand	15,642 MW
Net Energy	331,996 MWH
Load Factor	88.44 %

Fuel Cost

Total Cost:	47,566,069.00 RM
Cost per Unit	15.11 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	961
Hydro	420
Syncon	552
Thermal	75
Total	2,008

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
CBPS	57
GLGR	36
PAKA	137
PGPS	27
SRDG	8
TJGS	214
Total TNB	479

CBPS	54
KLPP	90
MPSS	52
NPRI	150
PDPS	5
PGLA	104
PKLG	6
PLPS	72
PTEK	8
SGB3	19
SGRI	120
SKSP	45
Total IPP	727
Total Gas	1,206

Total Gas Required	1,258
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Alternate Fuel Usage

Station	(mmscfd)
PLPS	13
SGRI	39
Total	52

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	13288	12600	12088	11877	11604	11436	11690	11903	12412	14073	15038	15513	15457	15011	15290	15443	15328	14987	14210	14608	14834	14451	13938	13460

Daily MW Generation on Tuesday

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
PGAU	HY04	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY03	51	51	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY01	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY02	25	25	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY03	25	25	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	HY01	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	15
TMGR	HY02	37	38	39	35	34	36	35	36	35	38	35	33	37	36	35	37	36	40	35	32	57	60	59	58
TMGR	HY03	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	HY02	94	94	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	95	91	91	86	94	86	86	96	90	94	94
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
UPIA	HY02	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Total Hydro		882	505	413	231	228	234	232	182	180	178	170	178	179	180	181	225	182	448	699	732	1021	1193	1306	1336
PLPS	CT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	CT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	CT21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	2	2	2	3	3	4	4	4	3	3	5	5	5	4	4	4	4	4	4	4	2	2	3	3
PCUF	CUFK	18	18	16	19	19	20	18	15	20	17	17	19	17	18	19	20	19	19	16	18	18	19	20	17
Total Co-Gen		20	20	18	22	22	24	22	19	23	20	22	22	23	24	23	23	20	22	22	21	22	20	21	22
Total Gen		13281	12915	12645	12427	12090	12088	11846	11833	11557	11608	11422	11494	11708	11959	11876	11935	12436	13364	14021	14610	15025	15263	15482	
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	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		22	42	74	9	31	-8	-2	67	-18	60	15	-1	47	-25	3	34	53	-3	-23	14	16	-43	-2	
Interconnection		-7	14	45	-20	2	-37	-31	38	-47	31	-14	-30	18	-54	-27	5	24	-32	-52	-15	-13	-72	-31	
System Total		13288	12901	12600	12447	12088	12125	11877	11795	11604	11577	11436	11524	11690	12013	11903	11930	12412	13396	14073	14625	15038	15335	15513	
SRev ST-Coal		144	155	229	348	352	352	358	351	358	359	355	348	361	359	368	349	345	355	261	150	167	51	49	
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		854	714	770	691	1046	1056	1288	1230	1501	1444	1628	1573	1345	1097	1223	1178	1036	634	661	603	719	686	660	
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 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
SRev Co-Gen		30	30	32	28	28	26	28	31	27	30	28	26	28	28	27	26	27	27	30	28	28	29	28	29
Syncon		598	824	1011	1112	1112	1112	1112	1112	1112	1112	1112	1112	1112	1112	1112	810	1112	824	723	723	554	554	302	302
Hydro		345	245	150	156	159	153	155	155	157	159	143	159	158	157	156	414	155	356	254	221	286	264	403	
S.Reserve Total		1971	1968	2192	2335	2697	2699	2941	2879	3155	3104	3266	3218	3004	2753	2886	2777	2675	2196	2086	2010	1780	1692	1553	