

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,664 MW
Hydro	2,307 MW
Distillate	0 MW
Total TNB	4,971 MW
Total IPP	14,703 MW
Total Co-Gen	0 MW
Total System	20,238 MW

Generation Mix

Type	MWh	Percentage
Gas	25,924	7.94 %
Hydro	11,780	3.61 %
Total TNB	37,704	11.55 %
ST-Coal	182,990	56.07 %
Gas	104,361	31.98 %
Total IPP	287,351	88.04 %
Co-Gen	1,818	0.56 %
Total Co-Gen	1,818	0.56 %
Total Generation	326,873	100.15 %
PLTG	-233	-0.07 %
HVDC	725	0.22 %
Interconnection	492	0.15 %
Net Energy	326,381	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:	20:00:00 Hour
Total Set On Bus	16,444 MW
TNB Generation	2,236 MW
IPP Generation	12,646 MW
Spinning Reserve	1,487 MW
Maximum Demand	14,960 MW
Net Energy	326,381 MWH
Load Factor	90.90 %

Fuel Cost

Total Cost:	51,418,246.30 RM
Cost per Unit	16.31 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	438
Hydro	223
Syncon	870
Thermal	214
Total	1,745

Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
CBPS	0
GLGR	53
PAKA	6
PGPS	27
TJGS	106
Total TNB	192
CBPS	57
KLPP	97
MPSS	47
NPRI	159
PGLA	106
PLPS	89
SGRI	164
SKSP	53
Total IPP	772
Total Gas	964

Total Gas Required 964

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	14059	13331	13007	12600	12302	12151	12016	11940	11643	12849	13800	14469	14451	14138	14448	14598	14495	14175	13721	13824	14960	14844	14330	14133

Daily MW Generation on Saturday

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																										
Total Co-Gen		75	74	78	77	76	76	75	74	75	75	77	76	76	75	78	76	78	75	75	75	76	77	75	75	76	75																								
Total Gen		14079	13712	13331	13125	13002	12794	12606	12475	12322	12319	12205	12119	12064	12125	11979	11603	11654	12344	12877	13401	13822	14211	14468	14593	14458	14221	14138	14354	14427	14671	14596	14494	14495	14374	14241	13965	13744	13638	13834	14648	14957	14891	14850	14480	14381	14323	14126	13902		
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	0	0	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	31	31	31	31	30	30	31	31	29	29	31	31	31	31	30	30	30	30	30	31	31	31	29	29	29	31	31	31	31	29	29	31	29	31	29	31	29	30	29	29	31	31	31	30	30	30	
TIE-PLTG		-11	30	-29	-46	-36	-38	-25	-2	-11	-20	24	-17	19	-1	9	-11	-19	18	-2	42	-8	-13	-31	-19	-23	18	-29	-32	-50	-64	-34	-3	-32	-9	37	60	-6	15	-19	-4	-32	17	-25	7	20	-28	-37	-16		
Interconnection		20	60	0	-15	-5	-8	6	28	20	11	54	12	48	29	39	20	11	48	28	72	22	16	-1	11	7	49	0	-3	-21	-32	-2	29	0	20	66	91	23	47	10	26	-3	46	6	38	51	2	-7	14		
System Total		14059	13652	13331	13140	13007	12802	12600	12447	12302	12308	12151	12107	12016	12096	11940	11583	11643	12296	12849	13329	13800	14195	14469	14582	14451	14172	14138	14357	14448	14703	14598	14465	14495	14354	14175	13874	13721	13591	13824	14622	14960	14845	14844	14442	14330	14321	14133	13888		
SRev ST-Coal		11	34	113	142	135	188	190	111	7	5	346	334	336	332	353	325	296	276	286	290	243	261	224	243	193	211	197	199	195	180	186	216	202	204	212	208	222	165	194	212	184	203	185	188	194	181	193	105		
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	0	0	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		877	721	665	593	567	673	765	834	1083	1128	1163	1222	1270	1191	1323	1726	1698	1071	926	719	436	302	294	270	360	295	637	505	452	324	405	257	249	364	457	591	805	969	786	302	392	404	455	545	550	495	612	565		
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	0	0	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		-27	-26	-30	-29	-28	-28	-27	-26	-27	-27	-29	-28	-28	-27	-30	-28	-30	-27	-27	-27	-28	-28	-29	-29	-25	-26	-28	-28	-30	-29	-29	-28	-28	-28	-28	-27	-28	-27	-27	-27	-28	-29	-27	-28	-29	-27	-27	-28	-27	
Syncon		874	874	1061	1061	1011	1162	1162	1263	1263	1112	1112	1112	1112	1263	1263	1263	1263	1263	1263	1263	1263	1011	842	691	741	993	892	892	892	741	741	741	741	741	741	977	977	977	977	892	741	741	741	741	741	675	977	977		
Hydro		183	193	86	85	206	79	121	97	104	216	239	243	244	116	110	113	113	74	72	89	71	207	167	281	253	156	111	127	141	183	192	346	365	369	398	206	198	198	199	110	187	139	147	465	479	444	125	121		
S.Reserve Total		1928	1806	1905	1862	1901	2084	2220	2288	2441	2444	2843	2892	2944	2884	3032	3407	3352	2664	2530	2344	1996	1763	1509	1466	1528	1724	1821	1705	1662	1408	1505	1541	1539	1660	1790	1964	2185	2291	2139	1499	1487	1469	1509	1922	1947	1778	1889	1751		