

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,043 MW
Hydro	2,412 MW
Distillate	0 MW
Total TNB	5,455 MW
Total IPP	14,863 MW
Total Co-Gen	0 MW
Total System	20,882 MW

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:	15:00:00 Hour
Total Set On Bus	18,210 MW
TNB Generation	2,966 MW
IPP Generation	13,309 MW
Spinning Reserve	1,859 MW
Maximum Demand	16,341 MW
Net Energy	343,579 MWH
Load Factor	87.61 %

Gas Usage

Station	(mmscfd)
GLGR	48
SRDG	14
TJGS	205
Total TNB	267
CBPS	51
KLPP	90
NPRI	144
PGLA	104
PLPS	63
PTEK	12
SGB3	75
SGRI	31
Total IPP	570
Total Gas	836
Total Gas Required	836

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
Gas	36,326	10.57 %
Hydro	19,021	5.54 %
Total TNB	55,347	16.11 %
ST-Coal	210,782	61.35 %
Gas	76,564	22.28 %
Total IPP	287,346	83.63 %
Co-Gen	1,787	0.52 %
Total Co-Gen	1,787	0.52 %
Total Generation	344,480	100.26 %
PLTG	233	0.07 %
HVDC	668	0.19 %
Interconnection	901	0.26 %
Net Energy	343,579	100.00 %

Fuel Cost

Total Cost:	53,319,534.55 RM
Cost per Unit	16.38 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	562
Hydro	433
Syncon	770
Thermal	184
Total	1,949

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	27

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	13540	12942	12389	12093	11803	11606	11707	11926	12601	14562	15440	15980	15912	15672	16143	16341	16308	15902	14972	14874	15691	15525	14939	14559

Daily MW Generation on Monday

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 Gen		13577	13184	12970	12670	12445	12281	12213	11938	11845	11693	11678	11644	11769	11880	11970	12110	12579	13768	14561	15005	15458	15765	15994	16177	15981	15780	15693	15867	16123	16362	16351	16305	16323	16263	15945	15519	14985	14711	14917	15633	15738	15650	15550	15275	14974	14800	14537	14241							
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	0				
TIE-HVDC		-29	-29	28	30	30	31	31	31	31	30	30	30	30	30	31	31	29	29	30	30	31	31	31	31	31	31	31	30	30	32	29	32	29	31	32	29	29	30	30	30	30	31	31	30	30	30	30	30	30	30	30	30			
TIE-PLTG		66	18	0	34	26	61	89	88	11	42	42	50	32	68	13	8	-53	4	-30	-2	-12	-27	-18	-8	38	54	-9	-51	-50	38	-20	4	-15	-7	11	16	-16	-27	13	33	16	12	-5	6	5	-19	-52	-12							
Interconnection		37	-10	28	64	56	92	120	119	42	72	72	81	62	98	44	39	-22	33	-1	28	18	5	14	23	69	84	21	-21	-20	70	10	36	15	24	43	45	13	3	43	64	47	43	25	36	35	11	-22	18							
System Total		13540	13194	12942	12606	12389	12189	12093	11819	11803	11621	11606	11563	11707	11782	11926	12071	12601	13735	14562	14977	15440	15760	15980	16154	15912	15696	15672	15888	16143	16292	16341	16269	16308	16239	15902	15474	14972	14708	14874	15569	15691	15607	15525	15239	14939	14789	14559	14223							
SRev ST-Coal		320	463	547	667	852	814	655	648	663	641	650	659	632	638	630	627	567	554	277	179	87	170	186	177	183	170	182	166	186	165	174	227	158	169	196	169	148	153	130	135	200	186	187	197	206	183	204	215							
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-3	0	90	126	119	133	189	186	185	185	187	152	116	139	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		569	783	899	1093	1134	1296	1588	1768	2013	2153	2157	2172	2091	2007	2105	2013	1777	1081	673	619	541	463	456	312	431	583	596	580	570	444	399	380	416	385	410	491	769	1055	961	528	447	550	608	649	694	864	890	998							
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	0	0	0		
SRev Co-Gen		-4	-4	-8	-4	-5	-5	-5	-3	-5	-4	-5	-6	-7	-3	-7	-8	-5	-5	-9	-4	-6	-6	-6	-6	-6	-4	-6	-7	-7	-7	-6	-7	-6	-5	-7	-4	-4	-7	-4	-5	-6	-5	-8	-7	-9	-7	18	33							
Syncon		1102	1253	1253	1253	1102	1253	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016	1016			
Hydro		302	200	211	197	349	229	563	571	467	532	538	545	529	519	482	437	445	458	505	442	705	395	410	387	444	442	509	369	353	410	363	440	431	433	451	367	279	273	538	500	410	409	404	418	418	443	396	344							
S.Reserve Total		2289	2695	2902	3206	3432	3587	3817	4000	4154	4338	4356	4386	4261	4177	4226	4085	3800	3104	2462	2249	2104	2040	2100	1917	2113	2314	2401	2227	2221	1976	1859	1782	1764	1608	1676	2102	2271	2553	2402	1784	1677	1766	1817	1883	1935	2109	2372	2605							