

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,548 MW
Hydro	2,297 MW
Distillate	0 MW
Total TNB	5,845 MW
Total IPP	12,715 MW
Total Co-Gen	0 MW
Total System	19,124 MW

Generation Mix

Type	MWh	Percentage
Gas	56,415	17.58 %
Hydro	6,996	2.18 %
Total TNB	63,411	19.76 %
ST-Coal	169,868	52.94 %
Gas	87,306	27.21 %
Total IPP	257,174	80.16 %
Co-Gen	851	0.27 %
Total Co-Gen	851	0.27 %
Total Generation	321,436	100.18 %
PLTG	-134	-0.04 %
HVDC	725	0.23 %
Interconnection	591	0.18 %
Net Energy	320,845	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	16,380 MW
TNB Generation	3,143 MW
IPP Generation	11,694 MW
Spinning Reserve	1,503 MW
Maximum Demand	14,822 MW
Net Energy	320,845 MWH
Load Factor	90.19 %

Fuel Cost

Total Cost:	42,175,537.20 RM
Cost per Unit	13.42 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	408
Hydro	251
Syncon	971
Thermal	193
Total	1,823

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
CBPS	3
GLGR	56
PAKA	109
PGPS	38
SRDG	4
TJGS	213
Total TNB	422
CBPS	53
KLPP	100
MPSS	47
NPRI	36
PGLA	91
PLPS	97
PTEK	13
SGB3	85
SGRI	98
SKSP	50
Total IPP	671
Total Gas	1,093
Total Gas Required	1,093

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	13719	13178	12648	12261	11874	11792	11739	11536	11316	12690	13454	14148	14155	13896	14229	14457	14404	13959	13526	13569	14822	14684	14294	14084

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																									
SYPS	HY02	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	0	0	0	0	16	16	16	16	16	16	16	16	16	16	25	25	25	25	25	25	25	25	25	25						
SYPS	HY03	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	5	0	0	0	16	16	16	16	16	16	16	16	16	25	25	25	25	25	25	25	25	25	25						
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	0	0	0	0	0	0	0	0	0	0	0	24	25	25	25	25	25	25	25						
TMGR	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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1							
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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1						
TMGR	HY04	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	35	35	35	35	35	35	35	35	35					
UJLI	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-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	-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	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5			
Total Hydro		271	171	173	172	174	171	171	171	172	169	161	160	158	159	159	161	161	161	162	195	626	588	546	177	197	283	244	334	404	252	395	270	207	207	249	263	263	403	545	541	477	475	459	449	429	431			
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	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	14	15	14	14	15	15	14	15	15	15	16	15	15	15	15	14	17	18	19	19	19	18	19	19	18	19	19	18	18	19	19	20	21	18	20	22	21	21	22	21	22	21	20	21	20	20	19		
PCUF	CUFK	18	18	19	17	18	19	19	18	18	17	18	19	18	18	19	19	16	20	17	19	18	16	17	16	17	17	16	16	18	18	19	17	18	18	18	18	18	18	18	19	18	17	17	19	17	19	19		
Total Co-Gen		32	33	33	31	33	34	33	33	33	32	34	35	33	32	33	34	33	34	33	38	36	38	37	34	36	35	35	36	35	34	36	37	38	37	39	36	38	40	39	40	40	38	37	40	37	39	38		
Total Gen		13735	13420	13166	12945	12657	12464	12252	12078	11941	11836	11816	11725	11780	11834	11585	11299	11351	12017	12643	13070	13442	13732	14168	14267	14176	14011	13929	14208	14266	14455	14516	14413	14460	14365	13973	13851	13542	13452	13571	14464	14877	14797	14733	14553	14330	14203	14140	13977	
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	
TIE-HVDC		30	30	30	30	30	30	31	31	30	30	31	31	31	31	30	30	30	30	30	30	30	30	31	31	31	31	29	29	31	31	31	31	30	30	30	30	30	30	30	30	30	29	29	31	31	31	31		
TIE-PLTG		-14	7	-42	-8	-21	1	-40	-7	36	67	-8	-48	10	25	19	-27	4	-45	-77	14	-42	-35	-10	-84	-8	-29	3	-25	6	12	28	-45	27	35	-17	13	-14	-21	-28	-14	25	15	19	37	7	3	25	1	
Interconnection		16	37	-12	22	9	31	-9	23	67	97	24	-17	41	55	49	4	35	-14	-47	44	-12	-5	20	-54	21	1	33	6	37	43	59	-16	56	65	14	44	16	10	2	16	55	45	49	66	36	34	56	31	
System Total		13719	13383	13178	12923	12648	12433	12261	12055	11874	11739	11792	11742	11739	11779	11536	11295	11316	12031	12690	13026	13454	13737	14148	14321	14155	14010	13896	14202	14229	14412	14457	14429	14404	14300	13959	13807	13526	13442	13569	14448	14822	14752	14684	14487	14294	14169	14084	13946	
SRev ST-Coal		135	130	126	56	126	142	138	125	130	135	133	122	131	132	128	124	128	137	126	262	253	240	260	261	265	258	251	261	144	170	143	140	140	147	155	146	178	142	148	143	104	151	145	158	146	145	145	133	
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
SRev CCGT-Gas		517	738	370	383	605	425	555	580	713	901	917	1019	951	896	1448	1876	1819	1190	838	1030	710	464	544	501	543	218	326	317	338	212	198	213	300	265	574	646	962	1104	981	402	136	180	184	207	328	397	280	396	
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
SRev Co-Gen		-12	-13	-13	-11	-13	-14	-13	-13	-12	-14	-15	-13	-12	-13	-14	-13	-14	-13	-13	-18	-16	-18	-17	-14	-16	-15	-15	-16	-15	-14	-16	-17	-18	-17	-19	-16	-18	-20	-19	-20	-20	-18	-17	-20	-17	-19	-18		
Syncon		1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1015	1166	1166	939	939	752	979	979	878	879	1065	914	1065	826	1040	1166	1166	1166	1166	1166	1267	839	847	973	973	973	1124	1275	1275	
Hydro		106	107	105	106	104	107	103	107	106	109	117	118	120	119	119	117	117	72	101	245	117	60	81	119	162	103	194	209	247	232	313	375	471	249	168	168	186	172	172	148	432	435	373	375	391	255	124	109	
S.Reserve Total		2013	2229	1855	1801	2089	1927	2050	2066	2203	2400	2420	2511	2456	2402	2949	3370	3318	2652	2319	2539	2228	1914	1806	1803	1708	1542	1735	1650	1592	1664	1630	1794	1757	1719	2093	2107	2476	2566	2447	1956	1503	1590	1654	1834	1934	2076	1805	1895	