

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,288 MW
Hydro	2,510 MW
Distillate	0 MW
Total TNB	5,798 MW
Total IPP	14,133 MW
Total Co-Gen	20 MW
Total System	19,951 MW

Generation Mix

Type	MWh	Percentage
Gas	56,364	16.80 %
Hydro	13,700	4.08 %
Total TNB	70,064	20.88 %
ST-Coal	168,661	50.26 %
Gas	96,124	28.64 %
Total IPP	264,785	78.90 %
Co-Gen	430	0.13 %
Total Co-Gen	430	0.13 %
Total Generation	335,279	99.91 %
PLTG	296	0.09 %
HVDC	-610	-0.18 %
Interconnection	-314	-0.09 %
Net Energy	335,593	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	17,460 MW
TNB Generation	3,728 MW
IPP Generation	12,394 MW
Spinning Reserve	1,320 MW
Maximum Demand	16,170 MW
Net Energy	335,593 MWH
Load Factor	86.48 %

Fuel Cost

Total Cost:	45,673,326.95 RM
Cost per Unit	14.20 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	551
Hydro	420
Syncon	600
Thermal	152
Total	1,723

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
CBPS	29
GLGR	54
PAKA	77
PGPS	41
TJGS	217
Total TNB	418

CBPS	51
KLPP	94
MPSS	54
NPRI	149
PGLA	107
PLPS	77
PTEK	13
SGRI	150
SKSP	31
Total IPP	724

Total Gas 1,142

Total Gas Required 1,142

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	13074	12386	11975	11598	11363	11168	11299	11542	12242	14207	15076	15737	15737	15425	15868	16124	16160	15760	14723	14754	15306	15070	14422	13876

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																										
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	84	92	97	89	-1	-1	-1	-1	83	0	0	0	0	0	0	0	0	0	0	92	90	0	0	0	0	175	0	-1	-1						
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	-1	-1	87	95	0	0	72	-1	-1	-1	177	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	94	87	-1	-1	-1					
UPIA	HY01	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6						
Total Hydro		161	164	177	163	162	161	206	207	180	172	168	180	183	183	206	184	188	284	483	468	578	983	1039	960	908	788	711	717	751	1121	949	940	928	943	901	607	213	197	347	1012	998	994	997	1055	1088	729	678	641		
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	CUFK	18	18	17	18	17	17	17	18	18	18	17	18	18	18	17	17	18	19	17	18	19	18	19	18	19	18	19	17	18	19	19	18	16	19	17	19	19	18	18	19	18	18	18	18	17	16	18			
Total Co-Gen		18	18	17	18	17	17	17	18	18	18	17	18	18	18	17	18	19	18	19	18	19	18	19	18	19	17	18	19	19	18	16	19	17	19	19	18	18	19	18	18	19	18	18	17	16	18				
Total Gen		13128	12751	12411	12202	11983	11723	11581	11431	11338	11271	11214	11174	11213	11495	11579	11688	12210	13191	14170	14625	15057	15433	15685	15814	15748	15516	15435	15625	15817	16172	16100	16094	16103	16140	15798	15235	14683	14537	14757	15380	15295	15227	15052	14950	14455	14264	13876	13580		
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			
TIE-HVDC		30	30	30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29			
TIE-PLTC		24	14	-5	36	36	19	12	-3	4	57	75	-5	-57	26	67	9	-3	-7	-9	13	10	2	-23	-38	40	74	39	15	-22	95	5	-1	-28	0	66	-14	-11	-12	33	2	18	-3	12	-29	63	-16	29	-15		
Interconnection		54	44	25	7	8	-9	-17	-32	-25	28	46	-33	-86	-3	37	-21	-32	-36	-37	-16	-19	-27	-52	-67	11	45	10	-14	-51	66	-24	-30	-57	-30	38	-43	-40	-42	3	-28	-11	-32	-18	-59	33	-46	0	-45		
System Total		13074	12707	12386	12195	11975	11732	11598	11463	11363	11243	11168	11207	11299	11498	11542	11709	12242	13227	14207	14641	15076	15460	15737	15881	15737	15471	15425	15639	15868	16106	16124	16124	16160	16170	15760	15278	14723	14589	14754	15418	15306	15259	15070	15018	14422	14310	13876	13625		
S.Rev ST-Coal		95	230	237	236	238	239	234	236	241	250	247	234	234	234	254	228	233	306	260	148	150	140	137	139	149	157	156	122	147	157	146	143	145	146	149	149	149	149	148	156	148	165	138	138	159	150	224	150		
S.Rev 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
S.Rev CCGT-Gas		464	544	636	833	1048	1306	1498	1648	1709	1759	1814	1880	1844	1747	1665	1560	1287	1238	900	773	450	533	445	392	472	638	642	492	375	410	347	303	266	276	533	666	822	934	885	847	584	632	675	770	942	684	716	671		
S.Rev 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
S.Rev Co-Gen		2	2	3	2	3	3	3	2	2	2	3	2	2	2	3	3	2	1	3	2	1	2	1	1	2	1	2	2	1	3	2	1	1	2	4	1	3	1	1	2	2	1	2	2	2	3	4	2		
Syncon		1455	1455	1455	1455	1455	1304	1304	1455	1455	1455	1455	1455	1304	1455	1455	1268	1066	1253	1253	476	476	476	476	663	850	850	850	476	325	476	476	478	478	856	1083	1079	1079	625	474	474	474	474	474	787	974	974				
Hydro		130	127	114	128	129	130	236	235	111	119	123	111	108	108	236	107	103	8	260	274	264	540	484	473	525	644	534	528	494	498	524	382	394	379	421	337	129	149	285	424	403	407	404	432	435	295	345	382		
S.Reserve Total		2146	2358	2445	2654	2873	3133	3275	3425	3518	3585	3642	3682	3643	3546	3462	3353	3080	2821	2489	2450	2118	1691	1544	1483	1702	2182	2263	2073	1881	1583	1358	1364	1355	1326	1662	2009	2186	2312	2388	2054	1611	1679	1683	1816	2012	1919	2263	2179		