

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,846 MW
Hydro	2,006 MW
Distillate	0 MW
Total TNB	4,852 MW
Total IPP	13,109 MW
Total Co-Gen	80 MW
Total System	18,605 MW

Maximum Demand Record

Date: 4/20/2016	17,788 MW
Date: 4/20/2016	372,457 MWH

Gas Usage

Station	(mmscfd)
CBPS	12
GLGR	55
PAKA	16
PGPS	39
SRDG	4
TJGS	113
Total TNB	239
CBPS	54
KLPP	89
MPSS	46
PGLA	74
PLPS	101
PTEK	9
SGB3	78
SGRI	189
SKSP	55
YPKA	9
Total IPP	704
Total Gas	943
Total Gas Required	943

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	21:00:00 Hour
Total Set On Bus	15,960 MW
TNB Generation	3,223 MW
IPP Generation	11,263 MW
Spinning Reserve	1,443 MW
Maximum Demand	14,552 MW
Net Energy	308,956 MWH
Load Factor	88.46 %

Generation Mix

Type	MWh	Percentage
Gas	31,699	10.26 %
Hydro	18,793	6.08 %
Total TNB	50,492	16.34 %
ST-Coal	165,121	53.44 %
Gas	90,984	29.45 %
Total IPP	256,105	82.89 %
Co-Gen	1,039	0.34 %
Total Co-Gen	1,039	0.34 %
Total Generation	307,636	99.57 %
PLTG	-624	-0.20 %
HVDC	-696	-0.23 %
Interconnection	-1,320	-0.43 %
Net Energy	308,956	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	354
Hydro	292
Syncon	319
Thermal	216
Total	1,181

Time Weather Temperature

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	13688	13131	12552	12169	11764	11661	11691	11349	10996	11617	12419	12959	13116	12976	13272	13390	13523	13300	12776	12829	14304	14550	14448	14208

Daily MW Generation on Sunday

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	HY04	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	11	0	0	0	16	16	0	0	0	0																						
TMGR	HY01	84	84	84	84	84	81	33	33	33	33	33	33	33	34	34	62	58	62	61	61	34	34	34	34	34	34	72	72	71	70	72	72	72	72	71														
TMGR	HY02	84	84	84	84	84	84	33	33	33	33	33	33	33	33	31	36	36	64	60	64	64	63	36	36	36	36	83	80	84	80	78	83	36	36	74	74	74	74	74	73									
TMGR	HY03	82	82	82	82	82	80	32	32	32	32	32	32	32	32	28	33	33	60	57	60	60	60	33	33	33	33	79	77	80	76	74	79	34	34	34	70	70	70	69	70	70	70	70						
TMGR	HY04	76	76	76	76	76	76	33	33	33	33	33	33	33	33	28	34	34	0	0	0	0	0	0	0	0	0	0	0	0	36	36	36	71	71	71	70	71	71	71	71	71	70							
UPIA	HY01	4	4	4	4	5	5	5	5	5	5	5	5	5	5	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	5	4	4	4	4	4	4	5	5	5						
UPIA	HY02	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		957	785	819	912	986	962	687	548	571	550	544	619	657	657	545	483	507	464	506	459	662	586	629	632	592	500	525	549	550	736	914	1206	1152	1048	838	781	717	734	744	1165	1198	1177	1268	1106	1096	1081	1089	951	
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	0	
PCUF	CUFG	32	33	33	33	32	33	33	32	33	33	34	34	34	34	27	28	18	9	0	0	0	0	0	0	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	40	30	30	28	28	22	30	30	30	31	31	30	29	30	30	32	32	29	30	29	29	30	30	29	30	29	30	30	31	30	30	31	30	29	30	32	31	30	30	31	30	29	30	30	30	30	30	30	
Total Co-Gen		72	63	63	61	60	55	63	62	63	64	65	64	63	64	64	59	60	47	39	29	29	30	30	29	30	29	30	30	31	30	30	31	30	29	30	32	31	30	30	31	30	29	30	30	30	30	30	30	
Total Gen		13603	13370	13002	12639	12460	12223	12091	11871	11716	11632	11563	11546	11605	11611	11323	10958	10954	11492	11624	11900	12326	12636	12875	12984	13072	12929	12941	13143	13183	13366	13347	13474	13482	13393	13310	12996	12716	12770	12770	13694	14254	14429	14515	14474	14394	14331	14163	13953	
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
TIE-HVDC		-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-31	-28	-29	-28	-30	-28	-29	-28	-29	-28	-30	-28	-29	-28	-30	-30	-28	-28	
TIE-PLTG		-56	-8	-100	-50	-62	-34	-49	-48	-19	-54	-69	-13	-57	-66	2	-87	-13	69	36	-23	-63	16	-55	-4	-15	24	-6	-44	-61	-39	-14	3	-12	48	40	6	-30	-38	-30	-74	-19	-27	-6	-31	-24	-43	-17	-32	
Interconnection		-85	-37	-129	-79	-92	-64	-78	-77	-48	-83	-98	-42	-86	-95	-26	-115	-42	40	7	-52	-93	-14	-84	-34	-44	-5	-35	-73	-89	-68	-43	-26	-41	19	10	-22	-60	-67	-59	-103	-50	-55	-35	-59	-54	-73	-45	-61	
System Total		13688	13407	13131	12718	12552	12287	12169	11948	11764	11715	11661	11588	11691	11706	11349	11073	10996	11452	11617	11952	12419	12650	12959	13018	13116	12934	12976	13216	13272	13434	13390	13500	13523	13374	13300	13018	12776	12837	12829	13797	14304	14484	14550	14533	14448	14404	14208	14014	
SRev ST-Coal		137	150	148	162	175	252	251	126	103	106	107	94	86	85	111	233	248	276	253	242	238	259	242	246	238	245	239	239	250	252	318	312	226	382	252	228	220	239	233	239	216	146	47	149	103	187	182	158	
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	53	88	88	123	133	0	0	0	
SRev CCGT-Gas		498	434	752	603	665	752	596	343	545	606	668	771	760	756	906	1221	1241	613	535	214	566	266	251	339	224	264	288	106	130	130	180	205	412	409	225	521	845	829	847	692	532	544	669	547	495	430	422	519	
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		3	12	12	14	15	20	12	13	12	11	10	11	12	11	11	16	15	28	36	46	46	45	45	46	45	46	45	45	44	45	45	44	45	45	46	45	43	44	45	45	44	45	46	45	45	45	45	45	45
Syncon		579	705	705	579	579	579	579	705	554	705	705	705	705	806	806	655	655	554	428	302	428	428	428	428	428	428	428	428	428	302	302	0	0	0	302	302	302	453	453	302	302	302	302	302	302	453	453	453	
Hydro		158	104	70	103	29	53	328	341	469	339	345	270	232	232	344	305	290	334	292	313	153	230	211	208	248	345	320	296	295	472	294	347	458	512	522	167	246	229	286	35	208	254	288	200	210	74	66	204	
S.Reserve Total		1375	1405	1687	1461	1463	1656	1766	1528	1683	1767	1835	1851	1795	1789	2077	2581	2600	1906	1771	1369	1431	1102	1177	1267	1183	1328	1320	1114	1147	1201	1139	908	1141	1348	1045	1263	1656	1643	1864	1464	1302	1344	1440	1356	1278	1322	1168	1379	