

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,230 MW
Hydro	2,482 MW
Distillate	0 MW
Total TNB	<u>4,712 MW</u>
Total IPP	<u>14,679 MW</u>
Total Co-Gen	<u>80 MW</u>
Total System	<u>19,753 MW</u>

Generation Mix

Type	MWh	Percentage
Gas	44,056	12.82 %
Hydro	19,455	5.66 %
Total TNB	63,511	18.47 %
ST-Coal	161,304	46.92 %
Gas	117,641	34.22 %
Total IPP	278,945	81.14 %
Co-Gen	1,617	0.47 %
Total Co-Gen	1,617	0.47 %
Total Generation	344,073	100.09 %
PLTG	-427	-0.12 %
HVDC	729	0.21 %
Interconnection	302	0.09 %
Net Energy	343,771	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:	16:00:00 Hour
Total Set On Bus	17,802 MW
TNB Generation	3,365 MW
IPP Generation	12,920 MW
Spinning Reserve	1,450 MW
Maximum Demand	16,381 MW
Net Energy	343,771 MWH
Load Factor	87.44 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	282
Hydro	276
Syncon	587
Thermal	260
Total	1,405

Time	Weather	Temperature
Afternoon	Sunny	35
Morning	Cloudy	28

Gas Usage

Station	(mmscfd)
CBPS	52
GLGR	54
PAKA	136
PGPS	51
SRDG	22
TJGS	19
TJGS	32
Total TNB	367
CBPS	56
KLPP	104
MPSS	52
NPRI	160
PGLA	110
PLPS	95
PTEK	38
SGB3	35
SGRI	182
SKSP	53
Total IPP	885
Total Gas	1,251
Total Gas Required	1,251

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	13914	13113	12653	12334	12117	11968	12229	12273	12522	14305	15109	15737	15699	15459	16069	16246	16381	16039	14782	14370	15576	15302	14770	14503

Daily MW Generation on Wednesday

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																										
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	30	30	31	30	30	0	0	30	50	50	50	50	50	0	0	0	0	22	30	50	30	0	0	0	0	0	0	0						
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	16	16	16	16	16	0	0	25	25	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	16	16	16	16	16	0	0	25	25	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
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	0	0	0	0	0	0	0	0	0	0	0	0			
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	-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	-1	-1	-1	-1			
TMGR	HY04	34	34	34	34	33	32	32	32	32	35	34	36	42	34	33	36	37	40	34	35	34	32	33	32	32	31	35	39	40	34	36	37	36	37	35	29	34	32	38	33	33	34	35	34	34	33	34			
UJLI	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	-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	-1	-1	-1		
UPIA	HY01	4	4	4	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	6	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		
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	5	5	5	5	5		
Total Hydro		550	550	548	548	546	546	546	546	575	783	790	800	787	635	576	578	922	1003	962	1137	1059	1069	1008	850	787	877	1276	1294	1421	1330	1346	1333	928	561	545	553	569	831	1140	1051	874	638	574	574	572	552				
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	CUPG	36	36	36	36	35	37	36	37	38	36	36	37	36	36	37	35	34	34	34	34	35	34	33	34	33	33	34	34	34	34	34	34	34	34	35	35	36	36	36	36	36	36	36	36	36	36	37			
PCUF	CUPK	32	30	33	32	31	32	33	31	32	33	33	31	32	32	33	32	34	32	32	33	31	32	32	31	32	33	30	39	33	31	33	31	30	32	31	32	32	30	32	33	31	32	33	31	32	33	33	33	32	
Total Co-Gen		68	66	69	68	66	69	69	68	70	69	69	68	69	67	68	66	66	67	66	66	65	65	65	65	66	64	73	67	65	67	65	64	66	66	67	68	66	68	69	67	68	69	69	69	69	69	69	69		
Total Gen		13897	13526	13115	12904	12677	12525	12337	12205	12123	11990	11955	11925	12205	12365	12333	12238	12487	13508	14212	14818	15141	15510	15787	16007	15722	15499	15478	15730	16077	16054	16284	16370	16352	16163	15467	14681	14400	14426	15245	15617	15531	15278	15162	14769	14572	14507	14169			
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		31	31	31	31	31	30	30	31	31	31	31	31	31	31	31	30	30	31	31	30	30	30	31	31	30	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30		
TIE-PLTG		-48	-10	-28	-64	-7	-32	-28	-3	-25	-27	-44	-27	-55	25	30	-10	-66	-19	-123	20	1	-17	20	-48	-7	-8	-12	-9	-22	-279	7	40	-59	28	94	52	70	-70	26	33	10	7	-53	29	-32	-51	-26	-42		
Interconnection		-17	21	2	-33	24	-1	3	27	6	3	-13	4	-24	56	60	20	-35	11	-93	50	32	14	50	-18	23	22	19	22	8	-248	38	70	-29	58	124	82	99	-40	56	63	41	37	-24	59	-1	-20	4	-11		
System Total		13914	13505	13113	12937	12653	12526	12334	12178	12117	11987	11968	11921	12229	12309	12273	12218	12522	13497	14305	14768	15109	15496	15737	16025	15699	15477	15459	15708	16069	16302	16246	16300	16381	16304	16039	15385	14782	14440	14370	15182	15576	15494	15302	15103	14770	14592	14503	14180		
SRev ST-Coal		161	259	206	204	198	155	144	148	152	143	148	166	247	231	245	191	200	192	286	191	119	175	180	231	235	203	198	199	224	202	199	466	471	438	338	356	363	260	267	265	267	267	266	183	208	201	224	209		
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		706	686	895	951	1003	1149	1348	1475	1555	1696	1755	1374	1121	987	992	1300	984	314	115	70	116	255	387	244	552	432	409	279	282	266	220	174	204	209	225	467	760	911	895	293	230	228	303	267	572	572	567	613		
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		12	14	11	12	14	11	11	12	10	11	11	12	11	11	12	11	13	12	14	14	13	14	14	15	15	15	14	16	7	13	15	13	15	16	14	14	13	12	14	12	11	13	12	11	11	11	11	11		
Syncon		1126	1126	1126	1126	1126	1126	1126	1126	1126	975	824	824	824	975	975	975	673	547	673	547	547	547	547	547	547	673	673	486	486	299	486	486	486	637	1126	1126	1126	1126	824	637	637	637	975	824	824	824	975			
Hydro		50	50	52	52	54	54	54	54	54	176	119	112	102	115	116	175	173	131	276	191	292	245	235	296	479	416	426	289	296	406	310	294	307	311	39	55	40	74	314	342	381	358	106	178	178	180	49			
S.Reserve Total		2055	2135	2290	2345	2395	2495	2683	2815	2897	3030	3065	2495	2315	2155	2187	2594	2345	1667	1217	1145	1280	1442	1358	1252	1637	1885	1906	1772	1530	1228	1118	1432	1450	1440	1511	2072	2427	2350	2374	1710	1488	1524	1577	1543	1793	1786	1806	2079		