

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,398 MW
Hydro	2,507 MW
Distillate	0 MW
Total TNB	5,905 MW
Total IPP	13,381 MW
Total Co-Gen	20 MW
Total System	19,306 MW

Generation Mix

Type	MWh	Percentage
Gas	69,633	19.97 %
Hydro	11,482	3.29 %
Total TNB	81,115	23.26 %
ST-Coal	169,955	48.74 %
ST-Oil	12,261	3.52 %
Gas	84,407	24.20 %
Total IPP	266,623	76.46 %
Co-Gen	407	0.12 %
Total Co-Gen	407	0.12 %
Total Generation	348,145	99.83 %
PLTG	132	0.04 %
HVDC	-714	-0.20 %
Interconnection	-582	-0.17 %
Net Energy	348,727	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	17,754 MW
TNB Generation	4,151 MW
IPP Generation	12,130 MW
Spinning Reserve	1,455 MW
Maximum Demand	16,347 MW
Net Energy	348,727 MWH
Load Factor	88.89 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	282
Hydro	351
Syncon	975
Thermal	119
Total	1,727

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
CBPS	24
GLGR	54
PAKA	196
PGPS	43
SRDG	6
TJGS	210
Total TNB	532
CBPS	53
MPSS	49
NPRI	127
PGLA	93
PLPS	85
PTEK	4
SGB3	69
SGRI	95
SKSP	54
Total IPP	630
Total Gas	1,162
Total Gas Required	1,282

Alternate Fuel Usage

Station	(mmscfd)
PKLG	119
Total	119

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	14493	13818	13241	12726	12433	12089	12292	12162	12560	14265	15146	15715	15675	15434	16063	16300	16259	16078	14905	14778	15800	15625	15287	14950

Daily MW Generation on Thursday

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	25	25	0	0	0	0	0	0	16	25	16	16	16	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	25	16	16	16	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	25	16	16	16	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											
TMGR	HY02	35	34	39	35	33	33	34	35	33	33	30	35	35	36	30	24	32	37	31	36	33	34	36	39	32	39	34	40	35	35	36	36	34	39	28	27	33	31	35	35	30	33	33	33	37	38	35	35		
TMGR	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			
TMGR	HY04	-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	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			
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	5	5		
Total Hydro		476	482	278	161	157	157	158	159	156	178	147	153	163	538	218	141	153	227	214	228	400	574	774	662	540	373	345	376	709	825	836	853	897	877	700	443	400	372	482	818	926	953	769	885	617	605	569	454		
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	0	
PCUF	CUPFK	18	17	18	19	17	18	19	20	18	17	18	18	17	18	20	18	18	18	18	18	19	18	18	18	19	18	18	19	18	18	19	18	18	19	18	17	19	17	18	19	17	17	19	17	18	18	0	0	0	
Total Co-Gen		18	17	18	19	17	18	19	20	18	17	18	18	17	18	20	18	18	18	18	19	18	18	19	18	18	19	18	19	18	18	19	18	17	19	17	18	19	17	17	19	17	18	18	0	0	0	0			
Total Gen		14513	14138	13814	13469	13264	13001	12699	12516	12391	12279	12143	12166	12268	12165	12186	12103	12483	13393	14234	14724	15072	15438	15665	15869	15635	15422	15398	15811	15964	16226	16249	16310	16212	16299	16084	15475	14919	14586	14714	15754	15880	15867	15668	15613	15319	13205	14906	14625		
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		-29	-29	-30	-30	-29	-29	-28	-28	-44	-29	-28	-28	-28	-282	-28	-30	-29	-29	-29	-29	-30	-30	-29	-30	-30	-29	-29	-29	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-29	-29	-29	31	30	30	30	-29	-29	-29	-28
TIE-PLTC		49	69	25	11	52	3	1	21	1	33	82	24	5	-1	52	-17	-48	-41	-2	-13	-45	-44	-21	0	-10	-30	-7	-18	-70	-26	-21	5	-17	-18	36	17	44	-12	-35	1	49	6	13	51	61	38	-15	25		
Interconnection		20	40	-4	-19	23	-27	-27	-8	-42	3	54	-5	-24	-283	24	-47	-77	-70	-31	-42	-74	-74	-50	-29	-40	-59	-36	-47	-99	-55	-51	-25	-47	-48	6	-12	14	-41	-64	-27	80	36	43	81	32	9	-44	-2		
System Total		14493	14098	13818	13488	13241	13028	12726	12524	12433	12276	12089	12171	12292	12448	12162	12150	12560	13463	14265	14766	15146	15512	15715	15898	15675	15481	15434	15658	16063	16281	16300	16335	16259	16347	16078	15487	14905	14627	14778	15781	15800	15831	15625	15532	15287	15196	14950	14627		
SRcv ST-Coal		134	133	135	137	140	138	140	129	137	146	115	150	113	129	139	118	121	127	120	97	91	90	101	98	104	98	114	87	126	126	125	89	107	73	17	21	126	153	153	168	160	161	155	179	136	149	141			
SRcv ST-Oil		-2	-2	-2	-2	1	81	74	74	75	75	75	75	74	81	8	-2	-2	-3	16	17	1	-1	-9	-1	-1	-3	-3	-2	-2	-3	-3	1	-1	-3	-3	-1	-3	-2	-2	-2	-1	-1	-2	-2	-2	-2	14			
SRcv 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	-8	-6	-6	-6	-6	-6	-7	-3	83	0	0	0	0	0	0	0	0	0	0	0	0	0		
SRcv CCGT-Gas		515	199	318	545	738	834	1035	1240	1371	1496	1592	1696	1569	1384	1221	1513	1177	1223	695	367	215	269	347	212	336	376	381	182	429	241	228	186	265	136	205	423	890	975	933	226	193	243	254	289	292	276	465	414		
SRcv 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	
SRcv Co-Gen		2	3	2	1	3	2	1	0	2	3	2	2	3	2	3	2	0	2	2	0	2	1	2	2	2	2	1	2	1	2	1	2	3	1	3	2	1	3	3	1	3	2	2	2	0	0	0			
Syncon		1097	996	1349	1349	1349	1349	1450	1450	1299	1450	1450	1450	522	1324	1450	1450	1349	1349	1349	1122	996	845	971	1122	1349	1349	1349	996	996	845	694	658	809	996	1122	1349	1349	1248	996	810	996	996	996	996	622	471	723			
Hydro		420	265	116	133	137	137	136	134	137	266	146	140	130	683	201	152	140	167	180	166	471	423	374	360	331	271	299	268	500	384	412	546	388	407	347	428	244	122	113	329	321	294	328	212	230	244	431	294		
S.Reserve Total		2166	1594	1918	2163	2368	2541	2735	3038	3164	3276	3411	3478	3377	2778	2859	3265	2885	2858	2350	2020	1922	1782	1656	1637	1888	2101	2125	1912	2002	1740	1605	1544	1392	1455	1620	2071	2504	2573	2445	1705	1493	1692	1741	1653	1697	1276	1514	1586		