

State of Florida



Public Service Commission

CAPITAL CIRCLE OFFICE CENTER • 2540 SHUMARD OAK BOULEVARD
TALLAHASSEE, FLORIDA 32399-0850

-M-E-M-O-R-A-N-D-U-M-

DATE: September 6, 2018
TO: Carlotta S. Stauffer, Commission Clerk, Office of Commission Clerk
FROM: Takira Thompson, Engineering Specialist, Division of Engineering TT^{POE}
RE: Docket No. 20180000-OT - Undocketed filings for 2018.

Please file the attached, "OUC Response to – TYSP Staff's Supplemental Data Request #3," in the above mentioned docket file.

Thank you.

TT/pz

Attachment

Review of the 2018 Ten-Year Site Plans for Florida's Electric Utilities
Orlando Utilities Commission (OUC) Response to Supplemental Data Request #3
Page 1

1. Please provide an electronic copy (in Excel format) of Schedule 3.1 "History and Forecast of Summer Peak Demand (MW)" and Schedule 3.2 "History and Forecast Winter Peak Demand (MW)" contained in the utility's 1999 through 2010 TYSPs.

OUC Response:

Please see attached Excel file for the requested information.

2010 TYSP

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Year	Total	Wholesale	Retail	Interruptable	Residential Load Management	Residential Conservation	Comm./Ind. Load Management	Comm./Ind. Conservation	Net Firm Demand
History:									
2000	1,026	0	1,026	1	0	0	0	0	1,025
2001	1,382	341	1,041	1	0	0	0	0	1,381
2002	1,408	319	1,089	1	0	0	0	0	1,407
2003	1,381	303	1,078	1	0	0	0	0	1,380
2004	1,311	231	1,080	1	0	0	0	0	1,310
2005	1,353	147	1,206	0	0	0	0	0	1,353
2006	1,230	22	1,208	0	0	0	0	0	1,230
2007	1,256	0	1,256	0	0	0	0	0	1,256
2008	1,221	0	1,221	0	0	0	0	0	1,221
2009	1,244	0	1,244	0	0	0	0	0	1,244
Forecast:									
2010	1,311	70	1,241	0	0	0.5	0	0.7	1,310
2011	1,337	71	1,266	0	0	1.0	0	1.4	1,335
2012	1,380	74	1,307	0	0	1.5	0	2.1	1,377
2013	1,415	77	1,338	0	0	2.0	0	2.8	1,410
2014	1,449	81	1,368	0	0	2.5	0	3.5	1,443
2015	1,483	84	1,399	0	0	3.0	0	4.2	1,476
2016	1,519	87	1,431	0	0	3.5	0	4.9	1,510
2017	1,556	90	1,466	0	0	4.0	0	5.6	1,546
2018	1,591	93	1,498	0	0	4.5	0	6.3	1,580
2019	1,630	96	1,534	0	0	5.0	0	7.0	1,618

2010 TYSP

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Year	Total	Wholesale	Retail	Interruptable	Residential Load Management	Residential Conservation	Comm./Ind. Load Management	Comm./Ind. Conservation	Net Firm Demand	
History:										
1999 / 2000	1,060	0	1,060	1	0.0	0.0	0.0	0.0	1,059	
2000 / 2001	1,066	0	1,066	1	0.0	0.0	0.0	0.0	1,065	
2001 / 2002	1,345	302	1,044	1	0.0	0.0	0.0	0.0	1,345	
2002 / 2003	1,414	277	1,137	1	0.0	0.0	0.0	0.0	1,413	
2003 / 2004	1,196	241	955	1	0.0	0.0	0.0	0.0	1,195	
2004 / 2005	1,203	123	1,080	1	0.0	0.0	0.0	0.0	1,202	
2005 / 2006	1,117	22	1,095	0	0.0	0.0	0.0	0.0	1,117	
2006 / 2007	957	0	957	0	0.0	0.0	0.0	0.0	957	
2007 / 2008	1,104	0	1,104	0	0.0	0.0	0.0	0.0	1,104	
2008 / 2009	1,178	0	1,178	0	0.0	0.0	0.0	0.0	1,178	
Forecast:										
2009 / 2010	1,241	70	1,171	0	0.0	0.2	0.0	0.7	1,240	
2010 / 2011	1,263	71	1,193	0	0.0	0.4	0.0	1.4	1,262	
2011 / 2012	1,296	74	1,223	0	0.0	0.6	0.0	2.1	1,294	
2012 / 2013	1,334	77	1,257	0	0.0	0.8	0.0	2.8	1,330	
2013 / 2014	1,364	81	1,284	0	0.0	1.0	0.0	3.5	1,360	
2014 / 2015	1,395	84	1,310	0	0.0	1.2	0.0	4.2	1,389	
2015 / 2016	1,428	87	1,340	0	0.0	1.4	0.0	4.9	1,421	
2016 / 2017	1,462	90	1,372	0	0.0	1.6	0.0	5.6	1,455	
2017 / 2018	1,495	93	1,402	0	0.0	1.8	0.0	6.3	1,487	
2018 / 2019	1,533	96	1,437	0	0.0	2.0	0.0	7.0	1,524	

2009 TYSP

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Year	Total	Wholesale	Retail	Interruptable	Residential Load Management	Residential Conservation	Comm./Ind. Load Management	Comm./Ind. Conservation	Net Firm Demand
History:									
1999	1,055	0	1,055	0	0	0	0	0	1,055
2000	1,026	0	1,026	1	0	0	0	0	1,025
2001	1,382	341	1,041	1	0	0	0	0	1,381
2002	1,408	319	1,089	1	0	0	0	0	1,407
2003	1,381	303	1,078	1	0	0	0	0	1,380
2004	1,311	231	1,080	1	0	0	0	0	1,310
2005	1,353	147	1,206	0	0	0	0	0	1,353
2006	1,230	22	1,208	0	0	0	0	0	1,230
2007	1,256	0	1,256	0	0	0	0	0	1,256
2008	1,221	0	1,221	0	0	0	0	0	1,221
Forecast:									
2009	1,232	0	1,232	0	0	0	0	0	1,232
2010	1,304	63	1,241	0	0	0	0	0	1,304
2011	1,324	64	1,260	0	0	0	0	0	1,324
2012	1,358	66	1,292	0	0	0	0	0	1,358
2013	1,397	70	1,327	0	0	0	0	0	1,397
2014	1,436	73	1,363	0	0	0	0	0	1,436
2015	1,475	75	1,400	0	0	0	0	0	1,475
2016	1,513	77	1,436	0	0	0	0	0	1,513
2017	1,551	79	1,472	0	0	0	0	0	1,551
2018	1,590	82	1,508	0	0	0	0	0	1,590

2009 TYSP

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Year	Total	Wholesale	Retail	Interruptable	Residential Load Management	Residential Conservation	Comm./Ind. Load Management	Comm./Ind. Conservation	Net Firm Demand	
History:										
1999 / 2000	1060	0	1060	1	0	0	0	0	1029	
2000 / 2001	1,066	0	1,066	1	0.0	0.0	0.0	0.0	1,065	
2001 / 2002	1,345	302	1,044	1	0.0	0.0	0.0	0.0	1,345	
2002 / 2003	1,414	277	1,137	1	0.0	0.0	0.0	0.0	1,413	
2003 / 2004	1,196	241	955	1	0.0	0.0	0.0	0.0	1,195	
2004 / 2005	1,203	123	1,080	1	0.0	0.0	0.0	0.0	1,202	
2005 / 2006	1,117	22	1,095	0	0.0	0.0	0.0	0.0	1,117	
2006 / 2007	951	0	951	0	0.0	0.0	0.0	0.0	951	
2007 / 2008	1,297	0	1,297	0	0.0	0.0	0.0	0.0	1,297	
2008 / 2009	1,141	0	1,141	0	0.0	0.0	0.0	0.0	1,141	
Forecast:										
2009 / 2010	1,238	83	1,155	0	0.0	0.0	0.0	0.0	1,238	
2010 / 2011	1,254	85	1,169	0	0.0	0.0	0.0	0.0	1,254	
2011 / 2012	1,285	87	1,198	0	0.0	0.0	0.0	0.0	1,285	
2012 / 2013	1,321	91	1,230	0	0.0	0.0	0.0	0.0	1,321	
2013 / 2014	1,360	95	1,265	0	0.0	0.0	0.0	0.0	1,360	
2014 / 2015	1,399	97	1,302	0	0.0	0.0	0.0	0.0	1,399	
2015 / 2016	1,438	99	1,339	0	0.0	0.0	0.0	0.0	1,438	
2016 / 2017	1,476	102	1,374	0	0.0	0.0	0.0	0.0	1,476	
2017 / 2018	1,514	105	1,409	0	0.0	0.0	0.0	0.0	1,514	

"2008 TYSP"

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Year	Total	Wholesale	Retail	Interruptable	Residential Load Management	Residential Conservation	Comm./Ind. Load Management	Comm./Ind. Conservation	Net Firm Demand
History:									
1997	917	0	917	0	0	0	0	0	917
1998	988	0	988	1	0	0	0	0	987
1999	1,055	0	1,055	0	0	0	0	0	1,055
2000	1,026	0	1,026	1	0	0	0	0	1,025
2001	1,382	341	1,041	1	0	0	0	0	1,381
2002	1,408	319	1,089	1	0	0	0	0	1,407
2003	1,381	303	1,078	1	0	0	0	0	1,380
2004	1,311	231	1,080	1	0	0	0	0	1,310
2005	1,353	147	1,206	0	0	0	0	0	1,353
2006	1,230	22	1,208	0	0	0	0	0	1,230
2007	1,256	0	1,256	0	0	0	0	0	1,256
Forecast:									
2008	1,303	0	1,303	0	0	0	0	0	1,303
2009	1,329	0	1,329	0	0	0	0	0	1,329
2010	1,354	0	1,354	0	0	0	0	0	1,354
2011	1,382	0	1,382	0	0	0	0	0	1,382
2012	1,414	0	1,414	0	0	0	0	0	1,414
2013	1,449	0	1,449	0	0	0	0	0	1,449
2014	1,486	0	1,486	0	0	0	0	0	1,486
2015	1,526	0	1,526	0	0	0	0	0	1,526
2016	1,568	0	1,568	0	0	0	0	0	1,568
2017	1,610	0	1,610	0	0	0	0	0	1,610

2008 TYSP

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Year	Total	Wholesale	Retail	Interruptable	Residential Load Management	Comm./Ind. Load Management	Comm./Ind. Conservation	Net Firm Demand
History:								
1996 / 1997	851	0	851	0	0.0	0.0	0.0	851
1997 / 1998	814	0	814	1	0.0	0.0	0.0	813
1998 / 1999	1,030	0	1,030	1	0.0	0.0	0.0	1,029
1999 / 2000	1,060	0	1,060	1	0.0	0.0	0.0	1,059
2000 / 2001	1,066	0	1,066	1	0.0	0.0	0.0	1,065
2001 / 2002	1,345	302	1,044	1	0.0	0.0	0.0	1,345
2002 / 2003	1,414	277	1,137	1	0.0	0.0	0.0	1,413
2003 / 2004	1,196	241	955	1	0.0	0.0	0.0	1,196
2004 / 2005	1,203	123	1,080	0	0.0	0.0	0.0	1,203
2005 / 2006	1,117	22	1,095	0	0.0	0.0	0.0	1,117
2006 / 2007	951	0	951	0	0.0	0.0	0.0	951
2007 / 2008	1,297	0	1,297	0	0.0	0.0	0.0	1,297
Forecast:								
2008 / 2009	1,322	0	1,322	0	0.0	0.0	0.0	1,322
2009 / 2010	1,346	0	1,346	0	0.0	0.0	0.0	1,346
2010 / 2011	1,374	0	1,374	0	0.0	0.0	0.0	1,374
2011 / 2012	1,405	0	1,405	0	0.0	0.0	0.0	1,405
2012 / 2013	1,439	0	1,439	0	0.0	0.0	0.0	1,439
2013 / 2014	1,476	0	1,476	0	0.0	0.0	0.0	1,476
2014 / 2015	1,516	0	1,516	0	0.0	0.0	0.0	1,516
2015 / 2016	1,555	0	1,555	0	0.0	0.0	0.0	1,555
2016 / 2017	1,597	0	1,597	0	0.0	0.0	0.0	1,597
2017 / 2018	1,668	0	1,668	0	0.0	0.0	0.0	1,668

2007 TYSP

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Year	Total	Wholesale	Retail	Interruptable	Residential Load Management	Residential Conservation	Comm./Ind. Load Management	Comm./Ind. Conservation	Net Firm Demand
History:									
1997	917	0	917	0	0	0	0	0	917
1998	988	0	988	1	0	0	0	0	987
1999	1,055	0	1,055	0	0	0	0	0	1,055
2000	1,026	0	1,026	1	0	0	0	0	1,025
2001	1,382	341	1,041	1	0	0	0	0	1,381
2002	1,408	319	1,089	1	0	0	0	0	1,407
2003	1,381	303	1,078	1	0	0	0	0	1,380
2004	1,311	231	1,080	1	0	0	0	0	1,310
2005	1,353	147	1,206	0	0	0	0	0	1,353
2006	1,230	22	1,208	0	0	0	0	0	1,230
Forecast:									
2007	1,261	0	1,261	0	0	0	0	0	1,261
2008	1,302	0	1,302	0	0	0	0	0	1,302
2009	1,334	0	1,334	0	0	0	0	0	1,334
2010	1,369	0	1,369	0	0	0	0	0	1,369
2011	1,402	0	1,402	0	0	0	0	0	1,402
2012	1,437	0	1,437	0	0	0	0	0	1,437
2013	1,474	0	1,474	0	0	0	0	0	1,474
2014	1,513	0	1,513	0	0	0	0	0	1,513
2015	1,556	0	1,556	0	0	0	0	0	1,556
2016	1,601	0	1,601	0	0	0	0	0	1,601

2007 TYSP

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Year	Total	Wholesale	Retail	Interruptable	Residential Load Management	Residential Conservation	Comm./Ind. Load Management	Comm./Ind. Conservation	Net Firm Demand	
History:										
1996 / 1997	851	0	851	0	0	0	0	0	851	
1997 / 1998	814	0	814	1	0	0	0	0	813	
1998 / 1999	1,030	0	1,030	1	0	0	0	0	1,029	
1999 / 2000	1,060	0	1,060	1	0	0	0	0	1,059	
2000 / 2001	1,066	0	1,066	1	0	0	0	0	1,065	
2001 / 2002	1,345	302	1,044	1	0	0	0	0	1,345	
2002 / 2003	1,414	277	1,137	1	0	0	0	0	1,419	
2003 / 2004	1,196	241	955	1	0	0	0	0	1,195	
2004 / 2005	1,203	123	1,080	1	0	0	0	0	1,202	
2005 / 2006	1,117	22	1,095	0	0	0	0	0	1,117	
2006 / 2007	1,272	0	1,272	0	0	0	0	0	1,272	
Forecast:										
2007 / 2008	1,313	0	1,313	0	0	0	0	0	1,313	
2008 / 2009	1,346	0	1,346	0	0	0	0	0	1,346	
2009 / 2010	1,381	0	1,381	0	0	0	0	0	1,381	
2010 / 2011	1,415	0	1,415	0	0	0	0	0	1,415	
2011 / 2012	1,449	0	1,449	0	0	0	0	0	1,449	
2012 / 2013	1,487	0	1,487	0	0	0	0	0	1,487	
2013 / 2014	1,527	0	1,527	0	0	0	0	0	1,527	
2014 / 2015	1,569	0	1,569	0	0	0	0	0	1,569	
2015 / 2016	1,615	0	1,615	0	0	0	0	0	1,615	
2016 / 2017	1,664	0	1,664	0	0	0	0	0	1,664	

2006 TYSP

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Year	Total	Wholesale	Retail	Interruptable	Residential Load Management	Residential Conservation	Comm./Ind. Load Management	Comm./Ind. Conservation	Net Firm Demand
History:									
1996	852	0	852	0	0	0	0	0	852
1997	917	0	917	0	0	0	0	0	917
1998	988	0	988	1	0	0	0	0	987
1999	1,055	0	1,055	0	0	0	0	0	1,055
2000	1,026	0	1,026	1	0	0	0	0	1,025
2001	1,382	341	1,041	1	0	0	0	0	1,381
2002	1,408	319	1,089	1	0	0	0	0	1,407
2003	1,381	303	1,078	1	0	0	0	0	1,380
2004	1,311	231	1,080	1	0	0	0	0	1,310
2005	1,353	147	1,206	0	0	0	0	0	1,353
Forecast:									
2006	1,234	22	1,212	0	0	0	0	0	1,234
2007	1,243	0	1,243	0	0	0	0	0	1,243
2008	1,281	0	1,281	0	0	0	0	0	1,281
2009	1,319	0	1,319	0	0	0	0	0	1,319
2010	1,353	0	1,353	0	0	0	0	0	1,353
2011	1,388	0	1,388	0	0	0	0	0	1,388
2012	1,424	0	1,424	0	0	0	0	0	1,424
2013	1,461	0	1,461	0	0	0	0	0	1,461
2014	1,500	0	1,500	0	0	0	0	0	1,500
2015	1,540	0	1,540	0	0	0	0	0	1,540

2006 TYSP

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Year	Total	Wholesale	Retail	Interruptable	Residential Load Management	Comm./Ind. Load Management	Conservation		Net Firm Demand
History:									
1995 / 1996	969	0	969	0	0	0	0	0	969
1996 / 1997	851	0	851	0	0	0	0	0	851
1997 / 1998	814	0	814	1	0	0	0	0	813
1998 / 1999	1,030	0	1,030	1	0	0	0	0	1,029
1999 / 2000	1,060	0	1,060	1	0	0	0	0	1,059
2000 / 2001	1,066	0	1,066	1	0	0	0	0	1,065
2001 / 2002	1,345	302	1,044	1	0	0	0	0	1,345
2002 / 2003	1,414	277	1,137	1	0	0	0	0	1,413
2003 / 2004	1,196	241	955	1	0	0	0	0	1,195
2004 / 2005	1,203	123	1,080	1	0	0	0	0	1,202
2005 / 2006	1,242	22	1,220	1	0	0	0	0	1,241
Forecast:									
2006 / 2007	1,254	0	1,254	0	0	0	0	0	1,254
2007 / 2008	1,294	0	1,294	0	0	0	0	0	1,294
2008 / 2009	1,335	0	1,335	0	0	0	0	0	1,335
2009 / 2010	1,374	0	1,374	0	0	0	0	0	1,374
2010 / 2011	1,412	0	1,412	0	0	0	0	0	1,412
2011 / 2012	1,452	0	1,452	0	0	0	0	0	1,452
2012 / 2013	1,491	0	1,491	0	0	0	0	0	1,491
2013 / 2014	1,532	0	1,532	0	0	0	0	0	1,532
2014 / 2015	1,575	0	1,575	0	0	0	0	0	1,575
2015 / 2016	1,619	0	1,619	0	0	0	0	0	1,619

Dates realigned; history corrected

2005 TYSP

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Year	Total	Wholesale	Retail	Interruptable	Residential Load Management	Residential Conservation	Comm./Ind. Load Management	Comm./Ind. Conservation	Net Firm Demand
History:									
1995	862	0	862	0	0	0	0	0	862
1996	852	0	852	0	0	0	0	0	852
1997	917	0	917	0	0	0	0	0	917
1998	988	0	988	1	0	0	0	0	987
1999	1,055	0	1,055	0	0	0	0	0	1,055
2000	1,026	0	1,026	1	0	0	0	0	1,025
2001	1,382	341	1,041	1	0	0	0	0	1,381
2002	1,408	319	1,089	1	0	0	0	0	1,407
2003	1,381	303	1,078	1	0	0	0	0	1,380
2004	1,311	231	1,080	1	0	0	0	0	1,310
Forecast:									
2005	1,311	144	1,167	1	0	0	0	0	1,310
2006	1,224	22	1,202	1	0	0	0	0	1,223
2007	1,239	0	1,239	1	0	0	0	0	1,238
2008	1,279	0	1,279	1	0	0	0	0	1,278
2009	1,317	0	1,317	1	0	0	0	0	1,316
2010	1,360	0	1,360	1	0	0	0	0	1,359
2011	1,404	0	1,404	1	0	0	0	0	1,403
2012	1,446	0	1,446	1	0	0	0	0	1,445
2013	1,488	0	1,488	1	0	0	0	0	1,487
2014	1,532	0	1,532	1	0	0	0	0	1,531

2005 TYSP

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Year	Total	Wholesale	Retail	Interruptable	Residential Load Management	Residential Conservation	Comm./Ind. Load Management	Comm./Ind. Conservation	Net Firm Demand
History:									
1994 / 1995	876	0	876	0	0	0	0	0	876
1995 / 1996	969	0	969	0	0	0	0	0	969
1996 / 1997	851	0	851	0	0	0	0	0	851
1997 / 1998	814	0	814	1	0	0	0	0	813
1998 / 1999	1,030	0	1,030	1	0	0	0	0	1,029
1999 / 2000	1,060	0	1,060	1	0	0	0	0	1,059
2000 / 2001	1,066	0	1,066	1	0	0	0	0	1,065
2001 / 2002	1,345	302	1,044	1	0	0	0	0	1,345
2002 / 2003	1,414	277	1,137	1	0	0	0	0	1,413
2003 / 2004	1,420	241	1,178	1	0	0	0	0	1,419
2004 / 2005	1,288	119	1,169	1	0	0	0	0	1,287
Forecast:									
2005 / 2006	1,226	22	1,204	1	0	0	0	0	1,225
2006 / 2007	1,241	0	1,241	1	0	0	0	0	1,240
2007 / 2008	1,281	0	1,281	1	0	0	0	0	1,280
2008 / 2009	1,319	0	1,319	1	0	0	0	0	1,318
2009 / 2010	1,363	0	1,363	1	0	0	0	0	1,362
2010 / 2011	1,407	0	1,407	1	0	0	0	0	1,406
2011 / 2012	1,448	0	1,448	1	0	0	0	0	1,447
2012 / 2013	1,490	0	1,490	1	0	0	0	0	1,489
2013 / 2014	1,536	0	1,536	1	0	0	0	0	1,535
2014 / 2015	1,579	0	1,579	1	0	0	0	0	1,578

dates realigned; history corrected

Table 11-5
Schedule 3.1

OUC and St. Cloud History and Forecast of Summer Peak Demand (Base Case)¹

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Year	Total ²	Wholesale ³	Retail	Interruptible	Residential Load Management	Commercial/Industrial Load Management	Conservation	Net Firm Demand
1994	808	0	808	0	0	0	0	808
1995	862	0	862	0	0	0	0	862
1996	852	0	852	0	0	0	0	852
1997	917	0	917	0	0	0	0	917
1998	988	0	988	1	0	0	0	987
1999	1,055	0	1,055	0	0	0	0	1,055
2000	1,026	0	1,026	1	0	0	0	1,025
2001	1,382	341	1,041	1	0	0	0	1,381
2002	1,408	319	1,089	1	0	0	0	1,407
2003	1,381	303	1,078	1	0	0	0	1,380
Forecast								
2004	1,359	166	1,193	1	0	0	0	1,358
2005	1,384	156	1,228	1	0	0	0	1,383
2006	1,283	22	1,261	1	0	0	0	1,282
2007	1,296	0	1,296	1	0	0	0	1,295
2008	1,335	0	1,335	1	0	0	0	1,334
2009	1,377	0	1,377	1	0	0	0	1,376
2010	1,418	0	1,418	1	0	0	0	1,417
2011	1,464	0	1,464	1	0	0	0	1,463
2012	1,509	0	1,509	1	0	0	0	1,508
2013	1,554	0	1,554	1	0	0	0	1,553

1. Historical data includes both OUC and the City of St. Cloud for 1994 and beyond. Forecast data includes both OUC and the City of St. Cloud.

2. Includes conservation.

3. To maintain consistency with the FRCC Forms, the "Wholesale" forecast includes OUC's forecast MW sales to FMFA, KUA, SEC, and RCID. Historical "Wholesale" includes MW sales to FMFA, KUA, SEC, and RCID for 2001, 2002, and 2003 as in the FRCC Forms.

Table 11-6 Schedule 3.2 OUC and St. Cloud History and Forecast of Winter Peak Demand (Base Case) ¹								
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Year	Total ²	Wholesale ³	Retail	Interruptible	Residential Load Management	Commercial/Industrial Load Management	Conservation	Net Firm Demand
1993/94	731	0	731	0	0	0	0	731
1994/95	876	0	876	0	0	0	0	876
1995/96	969	0	969	0	0	0	0	969
1996/97	851	0	851	0	0	0	0	851
1997/98	814	0	814	1	0	0	0	813
1998/99	1,030	0	1,030	1	0	0	0	1,029
1999/00	1,060	0	1,060	1	0	0	0	1,059
2000/01	1,066	0	1,066	1	0	0	0	1,065
2001/02	1,345	302	1,044	1	0	0	0	1,345
2002/03	1,414	277	1,137	1	0	0	0	1,413
2003/04	1,420	241	1,178	1	0	0	0	1,419
Forecast								
2004/05	1,364	145	1,219	1	0	0	0	1,363
2005/06	1,366	110	1,256	1	0	0	0	1,365
2006/07	1,318	22	1,296	1	0	0	0	1,317
2007/08	1,339	0	1,339	1	0	0	0	1,338
2008/09	1,386	0	1,386	1	0	0	0	1,385
2009/10	1,431	0	1,431	1	0	0	0	1,430
2010/11	1,478	0	1,478	1	0	0	0	1,477
2011/12	1,529	0	1,529	1	0	0	0	1,528
2012/13	1,579	0	1,579	1	0	0	0	1,578
2013/14	1,630	0	1,630	1	0	0	0	1,629

1. Historical data includes both OUC and the City of St. Cloud for 1993/94 and beyond. Forecast data includes both OUC and the City of St. Cloud.

2. Includes conservation.

3. To maintain consistency with the FRCC Forms, the "Wholesale" forecast includes OUC's forecast MW sales to FMFA, KUA, SEC, and RCID. Historical "Wholesale" includes MW sales to FMFA, KUA, SEC, and RCID for 2001/02, 2002/03, and 2003/04, as in the FERC Forms.

Table 10-5 Schedule 3.1 OUC and St. Cloud History and Forecast of Summer Peak Demand (Base Case) ¹								
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Year	Total ²	Wholesale ³	Retail	Interruptible	Residential Load Management	Commercial/Industrial Load Management	Conservation	Net Firm Demand
1993	760	0	760	0	0	0	-	760
1994	808	0	808	0	0	0	-	808
1995	862	0	862	0	0	0	-	862
1996	852	0	852	0	0	0	-	852
1997	917	0	917	0	0	0	-	917
1998	988	0	988	1	0	0	-	987
1999	1,055	0	1,055	0	0	0	-	1,055
2000	1,026	0	1,026	1	0	0	-	1,025
2001	1,382	341	1,041	1	0	0	-	1,381
2002	1,408	319	1,089	1	0	0	-	1,407
Forecast								
2003	1,462	303	1,159	1	0	0	-	1,461
2004	1,355	166	1,189	1	0	0	-	1,354
2005	1,373	156	1,217	1	0	0	-	1,372
2006	1,271	22	1,249	1	0	0	-	1,270
2007	1,288	0	1,288	1	0	0	-	1,287
2008	1,322	0	1,322	1	0	0	-	1,321
2009	1,363	0	1,363	1	0	0	-	1,362
2010	1,399	0	1,399	1	0	0	-	1,398
2011	1,437	0	1,437	1	0	0	-	1,436
2012	1,475	0	1,475	1	0	0	-	1,474

1. Historical data includes both OUC and the City of St. Cloud for 1994 and beyond. Forecast data includes both OUC and the City of St. Cloud.

2. Includes conservation.

3. To maintain consistency with the FRCC Forms, the "Wholesale" forecast includes OUC's forecast MW sales to FMPA, KUA, SEC, and RCID. Historical "Wholesale" includes MW sales to FMPA, KUA, SEC, and RCID for 2001 and 2002, as in the FERC Forms.

Table 10-6 Schedule 3.2 OUC and St. Cloud History and Forecast of Winter Peak Demand (Base Case) ¹								
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Year	Total ²	Wholesale ³	Retail	Interruptible	Residential Load Management	Commercial/Industrial Load Management	Conservation	Net Firm Demand
1992/93	721	0	721	0	0	0	-	721
1993/94	731	0	731	0	0	0	-	731
1994/95	876	0	876	0	0	0	-	876
1995/96	969	0	969	0	0	0	-	969
1996/97	851	0	851	0	0	0	-	851
1997/98	814	0	814	1	0	0	-	813
1998/99	1,030	0	1,030	1	0	0	-	1,029
1999/00	1,060	0	1,060	1	0	0	-	1,059
2000/01	1,066	0	1,066	1	0	0	-	1,065
2001/02	1,345	302	1,044	1	0	0	-	1,345
2002/03	1,414	277	1,137	1	0	0	-	1,413
Forecast								
2003/04	1,388	216	1,172	1	0	0	-	1,387
2004/05	1,346	145	1,201	1	0	0	-	1,345
2005/06	1,270	34	1,236	1	0	0	-	1,269
2006/07	1,278	0	1,278	1	0	0	-	1,277
2007/08	1,312	0	1,312	1	0	0	-	1,311
2008/09	1,353	0	1,353	1	0	0	-	1,352
2009/10	1,392	0	1,392	1	0	0	-	1,391
2010/11	1,431	0	1,431	1	0	0	-	1,430
2011/12	1,471	0	1,471	1	0	0	-	1,470
2012/13	1,509	0	1,509	1	0	0	-	1,509

1. Historical data includes both OUC and the City of St. Cloud for 1993/94 and beyond. Forecast data includes both OUC and the City of St. Cloud.

2. Includes conservation.

3. To maintain consistency with the FRCC Forms, the "Wholesale" forecast includes OUC's forecast MW sales to FMPA, KUA, SEC, and RCID. Historical "Wholesale" includes MW sales to FMPA, KUA, SEC, and RCID for 2001/02 and 2002/03, as in the FERC Forms. The 2001/02 data includes the forecasts of each of these sales.

Table 10-5 Schedule 3.1 OUC and St. Cloud History and Forecast of Summer Peak Demand (Base Case) ¹								
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Year	Total ²	Wholesale ³	Retail	Interruptible	Residential Load Management	Commercial/Industrial Load Management	Conservation	Net Firm Demand
1992	763	0	763	0	0	0	-	763
1993	760	0	760	0	0	0	-	760
1994	808	0	808	0	0	0	-	808
1995	862	0	862	0	0	0	-	862
1996	852	0	852	0	0	0	-	852
1997	917	0	917	0	0	0	-	917
1998	988	0	988	0	0	0	-	987
1999	1,055	0	1,055	0	0	0	-	1,055
2000	1,026	0	1,026	1	0	0	-	1,025
2001	1,040	0	1,040	0	0	0	-	1,040
Forecast								
2002	1,137	319	1,456	1	0	0	-	1,455
2003	1,178	303	1,481	1	0	0	-	1,480
2004	1,205	177	1,382	1	0	0	-	1,381
2005	1,234	164	1,398	1	0	0	-	1,397
2006	1,265	150	1,415	1	0	0	-	1,414
2007	1,295	150	1,445	1	0	0	-	1,444
2008	1,324	153	1,477	1	0	0	-	1,476
2009	1,353	155	1,508	1	0	0	-	1,507
2010	1,385	157	1,542	1	0	0	-	1,541
2011	1,417	0	1,417	1	0	0	-	1,416

1. Historical data includes both OUC and the City of St. Cloud for 1994 and beyond. Forecast data includes both OUC and the City of St. Cloud.

2.

Includes conservation.

3.

To maintain consistency with the FRCC Forms, the "Wholesale" forecast includes OUC's forecast MW sales to FMPA, KUA, SEC, and RCID. Historical data is not provided for these sales, as they were not previously included in the FRCC Forms.

Table 10-6 Schedule 3.2 OUC and St. Cloud History and Forecast of Winter Peak Demand (Base Case) ¹								
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Year	Total ²	Wholesale ³	Retail	Interruptible	Residential Load Management	Commercial/Industrial Load Management	Conservation	Net Firm Demand
1992/93	721	0	721	0	0	0	-	721
1993/94	731	0	731	0	0	0	-	731
1994/95	876	0	876	0	0	0	-	876
1995/96	969	0	969	0	0	0	-	969
1996/97	851	0	851	0	0	0	-	851
1997/98	814	0	814	1	0	0	-	813
1998/99	1,030	0	1,030	1	0	0	-	1,029
1999/00	1,060	0	1,060	1	0	0	-	1,059
2000/01	1,066	0	1,066	1	0	0	-	1,065
2001/02*	1,127	284	1,411	1	0	0	-	1,410
Forecast								
2002/03	1,162	300	1,462	1	0	0	-	1,461
2003/04	1,190	271	1,461	1	0	0	-	1,460
2004/05	1,217	144	1,361	1	0	0	-	1,360
2005/06	1,250	141	1,391	1	0	0	-	1,390
2006/07	1,280	151	1,431	1	0	0	-	1,430
2007/08	1,307	132	1,439	1	0	0	-	1,438
2008/09	1,336	134	1,470	1	0	0	-	1,469
2009/10	1,367	136	1,503	1	0	0	-	1,502
2010/11	1,399	138	1,537	1	0	0	-	1,536
2011/12	1,430	0	1,430	1	0	0	-	1,429

1. Historical data includes both OUC and the City of St. Cloud for 1993/4 and beyond. Forecast data includes both OUC and the City of St. Cloud.

2. Includes conservation.

3. To maintain consistency with the FRCC Forms, the "Wholesale" forecast includes OUC's forecast MW sales to FMPA, KUA, SEC, and RCID. Historical data is not provided for these sales, as they were not previously included in the FRCC Forms. The 2001/02 data includes the forecasts of each of these sales.

* 2001/02 data is projected; actual data is not available at this time.

Table 10-5 Schedule 3.1 History and Forecast of Summer Peak Demand Base Case								
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Year	Total ¹	Wholesale	Retail	Interruptible	Residential Load Management	Commercial/Industrial Load Management	Conservation	Net Firm Demand
1991	714	0	714	0	0	0	-	714
1992	763	0	763	0	0	0	-	763
1993	760	0	760	0	0	0	-	760
1994	749	0	749	0	0	0	-	749
1995	799	0	799	0	0	0	-	798
1996	788	0	788	0	0	0	-	788
1997	846	0	846	0	0	0	-	846
1998	907	0	907	1	0	0	-	906
1999	969	0	969	0	0	0	-	969
2000	942	0	942	1	0	0	-	941
Forecast								
2001	1,000	0	1,000	1	0	0	-	999
2002	1,042	0	1,042	1	0	0	-	1,041
2003	1,073	0	1,073	1	0	0	-	1,072
2004	1,097	0	1,097	1	0	0	-	1,096
2005	1,124	0	1,124	1	0	0	-	1,123
2006	1,149	0	1,149	1	0	0	-	1,148
2007	1,170	0	1,170	1	0	0	-	1,169
2008	1,195	0	1,195	1	0	0	-	1,194
2009	1,225	0	1,225	1	0	0	-	1,224
2010	1,254	0	1,254	1	0	0	-	1,253

¹. Includes consevation.

Table 10-6 Schedule 3.2 History and Forecast of Winter Peak Demand Base Case								
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Year	Total ¹	Wholesale	Retail	Interruptible	Residential Load Management	Commercial/Industrial Load Management	Conservation	Net Firm Demand
1991/92	673	0	673	0	0	0	-	673
1992/93	721	0	721	0	0	0	-	721
1993/94	674	0	674	0	0	0	-	674
1994/95	800	0	800	0	0	0	-	800
1995/96	885	0	885	0	0	0	-	885
1996/97	775	0	775	0	0	0	-	775
1997/98	746	0	746	1	0	0	-	745
1998/99	938	0	938	1	0	0	-	937
1999/00	971	0	971	1	0	0	-	970
2000/01	993	0	993	1	0	0	-	992
Forecast								
2001/02	1,041	0	1,041	1	0	0	-	1,040
2002/03	1,077	0	1,077	1	0	0	-	1,066
2003/04	1,102	0	1,102	1	0	0	-	1,101
2004/05	1,128	0	1,128	1	0	0	-	1,127
2005/06	1,152	0	1,152	1	0	0	-	1,151
2006/07	1,175	0	1,175	1	0	0	-	1,174
2007/08	1,202	0	1,202	1	0	0	-	1,201
2008/09	1,232	0	1,232	1	0	0	-	1,231
2009/10	1,259	0	1,259	1	0	0	-	1,258
2010/11	1,286	0	1,286	1	0	0	-	1,285

¹. Includes consevation.

Table 10-5 Schedule 3.1 History and Forecast of Summer Peak Demand Base Case - (MW)								
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Year	Total	Wholesale	Retail	Interruptible	Residential Load Management	Comm./ Ind. Load Management	Conservation	Net Firm Demand
1990	708	0	708	0	0	0	-	708
1991	714	0	714	0	0	0	-	714
1992	763	0	763	0	0	0	-	763
1993	760	0	760	0	0	0	-	760
1994	749	0	749	0	0	0	-	749
1995	799	0	799	0	0	0	-	798
1996	788	0	788	0	0	0	-	788
1997	882	0	882	0	0	0	36	846
1998	944	0	944	1	0	0	37	907
1999	1,006	0	1,006	0	0	0	37	969
Forecast								
2000	988	0	988	1	0	0	37	950
2001	1,015	0	1,015	1	0	0	37	977
2002	1,043	0	1,043	1	0	0	37	1,005
2003	1,071	0	1,071	1	0	0	37	1,033
2004	1,098	0	1,098	1	0	0	37	1,060
2005	1,127	0	1,127	1	0	0	37	1,089
2006	1,154	0	1,154	1	0	0	37	1,116
2007	1,184	0	1,184	1	0	0	37	1,146
2008	1,209	0	1,209	1	0	0	37	1,171
2009	1,236	0	1,236	1	0	0	37	1,198

Table 10-6 Schedule 3.2 History and Forecast of Winter Peak Demand Base Case - (MW)								
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Year	Total	Wholesale	Retail	Interruptible	Residential Load Management	Comm./ Ind. Load Management	Conservation	Net Firm Demand
1990/91	636	0	636	0	0	0	-	636
1991/92	673	0	673	0	0	0	-	673
1992/93	721	0	721	0	0	0	-	721
1993/94	674	0	674	0	0	0	-	674
1994/95	800	0	800	0	0	0	-	800
1995/96	885	0	885	0	0	0	-	885
1996/97	775	0	775	0	0	0	-	775
1997/98	768	0	768	1	0	0	22	746
1998/99	962	0	962	1	0	0	24	937
1999/00	995	0	995	1	0	0	24	970
Forecast								
2000/01	1,019	0	1,019	1	0	0	24	994
2001/02	1,044	0	1,044	1	0	0	24	1,019
2002/03	1,069	0	1,069	1	0	0	24	1,044
2003/04	1,093	0	1,093	1	0	0	24	1,068
2004/05	1,118	0	1,118	1	0	0	24	1,093
2005/06	1,143	0	1,143	1	0	0	24	1,118
2006/07	1,168	0	1,168	1	0	0	24	1,143
2007/08	1,194	0	1,194	1	0	0	24	1,169
2008/09	1,218	0	1,218	1	0	0	24	1,193
2009/10	1,242	0	1,242	1	0	0	24	1,217

Schedule 3.1 History and Forecast of Summer Peak Demand - MW Base Case										
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
Year	Total	Wholesale ²	Retail	Interruptible	Residential Load Management	Residential ¹ Conservation	Comm./ Ind. Load Management	Comm./Ind. ¹ Load Conservation	Net Firm Demand	
1989	681	0	681	0	0	-	0	-	681	
1990	708	0	708	0	0	-	0	-	708	
1991	714	0	714	0	0	-	0	-	714	
1992	763	0	763	0	0	-	0	-	763	
1993	760	0	760	0	0	-	0	-	760	
1994	749	0	749	0	0	-	0	-	749	
1995	799	0	799	0	0	-	0	-	799	
1996	788	0	788	0	0	-	0	-	788	
1997	882	0	882	0	0	-	0	36	846	
1998	944	0	944	1	0	-	0	37	907	
1999	955	0	955	1	0	-	0	38	916	
2000	982	0	982	1	0	-	0	39	942	
2001	1,010	0	1,010	1	0	-	0	40	969	
2002	1,038	0	1,038	1	0	-	0	41	996	
2003	1,067	0	1,067	1	0	-	0	42	1,024	
2004	1,094	0	1,094	1	0	-	0	43	1,050	
2005	1,124	0	1,124	1	0	-	0	44	1,079	
2006	1,152	0	1,152	1	0	-	0	45	1,106	
2007	1,182	0	1,182	1	0	-	0	46	1,135	
2008	1,209	0	1,209	1	0	-	0	47	1,161	

Notes:
 1. OUC does not breakout residential and commercial/industrial conservation. Data in Column 9 represents total system conservation. Prior to 1997/98, conservation was factored into total demand (column 2).

Schedule 3.2 History and Forecast of Winter Peak Demand - MW Base Case										
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
Year	Total	Wholesale ²	Retail	Interruptible	Residential Load Management	Residential ¹ Conservation	Comm./ Ind. Load Management	Comm./Ind. ¹ Load Conservation	Net Firm Demand	
1989/90	774	0	774	0	0	-	0	-	774	
1990/91	636	0	636	0	0	-	0	-	636	
1991/92	673	0	673	0	0	-	0	-	673	
1992/93	721	0	721	0	0	-	0	-	721	
1993/94	674	0	674	0	0	-	0	-	674	
1994/95	800	0	800	0	0	-	0	-	800	
1995/96	885	0	885	0	0	-	0	-	885	
1996/97	775	0	775	0	0	-	0	-	775	
1997/98	768	0	768	1	0	-	0	22	746	
1998/99	962	0	962	1	0	-	0	24	937	
1999/00	985	0	985	1	0	-	0	25	959	
2000/01	1,011	0	1,011	1	0	-	0	26	984	
2001/02	1,037	0	1,037	1	0	-	0	27	1,009	
2002/03	1,062	0	1,062	1	0	-	0	28	1,033	
2003/04	1,087	0	1,087	1	0	-	0	29	1,057	
2004/05	1,113	0	1,113	1	0	-	0	30	1,082	
2005/06	1,138	0	1,138	1	0	-	0	31	1,106	
2006/07	1,165	0	1,165	1	0	-	0	32	1,132	
2007/08	1,191	0	1,191	1	0	-	0	33	1,157	
2008/09	1,218	0	1,218	1	0	-	0	34	1,183	

Notes:
1. OUC does not breakout residential and commercial/industrial conservation. Data in Column 9 represents total system conservation. Prior to 1997/98, conservation was factored into total demand (column 2).