



OFFICE OF GENERAL COUNSEL  
Orlando Utilities Commission

W. Christopher Browder  
Vice President & General Counsel

Wayne A. Morris  
Zoila P. Easterling  
Carlos L. Woody  
Terrie L. Tressler

Kathleen Plajstek  
Paralegal

August 5, 2010

VIA ELECTRONIC FILING  
AND HAND DELIVERY

Ms. Ann Cole, Director  
Office of Commission Clerk  
Public Service Commission  
2540 Shumard Oak Boulevard  
Tallahassee, FL 32399-0850

RECEIVED - FPSC  
10 AUG - 5 AM 10: 39  
COMMISSION  
CLERK

Re: Orlando Utilities Commission's Answers to Staff's Second Data  
Request  
Docket No. 100161-EG

Dear Ms. Cole:

Enclosed please find an original and seven copies of Orlando Utilities  
Commission's Notice of Service and Responses to Staff's Third Data Request,  
propounded and served on July 16, 2010.

Thank you for your assistance in connection with this matter.

Sincerely yours,

W. Christopher Browder  
Vice President & General Counsel

COM \_\_\_\_\_ WCB:pan  
APA \_\_\_\_\_ Enclosures  
ECR \_\_\_\_\_  
GCL \_\_\_\_\_  
RAD \_\_\_\_\_  
SSC \_\_\_\_\_  
ADM \_\_\_\_\_  
OPC \_\_\_\_\_  
CLK \_\_\_\_\_

*2 (1 CD containing the responses also forwarded to staff)*

RECEIVED - FPSC  
10 AUG 5 15 49  
COMMISSION CLERK

**BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

**In re: Petition for Approval of            )  
Demand-Side Management Plan )  
(Orlando Utilities Commission    )**

**Docket No. 100161-EG  
Filed: August 5, 2010**

**ORLANDO UTILITIES COMMISSION'S NOTICE OF SERVICE OF RESPONSES  
TO STAFF'S THIRD DATA REQUEST**

Orlando Utilities Commission has this 5<sup>th</sup> day of August, 2010 furnished by electronic and U.S. Mail to Katherine E. Fleming, Senior Attorney, Florida Public Service Commission, 2540 Shumard Oak Blvd., Tallahassee, Florida 32399-0850, its Answers to Staff's Third Data Request propounded and served on Orlando Utilities Commission on July 16, 2010.

Respectfully submitted,



**W. CHRISTOPHER BROWDER**  
Office of General Counsel  
Orlando Utilities Commission  
100 W. Anderson Street  
Orlando, FL 32802  
(407) 236-9698

DOCUMENT NUMBER-CAD

06451 AUG-5 2010

FPSC-COMMISSION CLERK

**CERTIFICATE OF SERVICE**

**I HEREBY CERTIFY** that a true and correct copy of the foregoing has been provided by U.S. Mail or E-mail, this 5th day of August, 2010 to the following persons:

<p>Katherine Fleming, Esq. Florida Public Service Commission 2540 Shumard Oak Boulevard Tallahassee, Florida 32399-0850 <a href="mailto:keflemin@psc.state.fl.us">keflemin@psc.state.fl.us</a></p>	<p>George Cavros, Esq. 120 E. Oakland Park Blvd., Ste. 105 Oakland Park, FL 33334 <a href="mailto:george@cavros-law.com">george@cavros-law.com</a></p>
<p>Roy C. Young, Esq. Tasha O. Buford, Esq. Young vanAssenderp, P.A. 225 South Adams Street, Suite 200 Tallahassee, FL 32301 <a href="mailto:ryoung@yvlaw.net">ryoung@yvlaw.net</a></p>	<p>Southern Alliance for Clean Energy P.O. Box 1842 Knoxville, TN 37901</p>

By:



W. CHRISTOPHER BROWDER

**BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

**In re: Petition for Approval of            )  
Demand-Side Management Plan )  
(Orlando Utilities Commission    )**

**Docket No. 100161-EG  
Filed: August 5, 2010**

**ORLANDO UTILITIES COMMISSION RESPONSES TO STAFF'S  
THIRD DATA REQUEST**

The Orlando Utilities Commission (OUC), by and through its undersigned counsel, provides the following responses to Staff's Third Data Request.

**REQUESTS**

- 1. Please provide the Technical Potential and Achievable Potential associated with energy audits. Please provide the amount of these programs by customer class (Residential and Commercial/Industrial) for the period 2010 through 2019. Please complete the table below and provide an electronic copy in Excel (.xls file format) with the hard copy response.**

**OUC RESPONSE**

The (A) Technical and (B) Achievable potential of Energy Audits was not part of the Scope of Work associated with the Itron study and was not evaluated. However, in order to attempt to answer the query, the following is offered. Determining the Technical potential requires the development of a variety of assumptions. The following is an explanation of two primary assumptions:

- It was assumed that it would be possible to do a walk-through energy audit for each customer every year.
- Unless noted otherwise, it was assumed that the energy savings would be the same year after year.

(A) Based on the assumptions above, the following **Technical Potential** is offered:

<b>Technical Potential of Energy Audits per year</b>						
Year	Residential			Commercial/Industrial		
	Summer Demand	Winter Demand	Annual Energy	Summer Demand	Winter Demand	Annual Energy
	MW	MW	mWh	MW	MW	mWh
2010	0	0	42,466	4.2	4.2	25,040
2011	0	0	43,528	4.3	4.3	25,666
2012	0	0	44,616	4.4	4.4	26,307
2013	0	0	45,731	4.6	4.6	26,965
2014	0	0	46,875	4.7	4.7	27,639
2015	0	0	48,047	4.8	4.8	28,330
2016	0	0	49,248	4.9	4.9	29,039
2017	0	0	50,479	5.0	5.0	29,764
2018	0	0	51,741	5.2	5.2	30,509
2019	0	0	53,034	5.3	5.3	31,271

(B) **Achievable** potential is based on what OUC has experienced historically . The following table illustrates what OUC believes is achievable and has adopted as its goal as submitted in the 2010 DSM Plan.

<b>Achievable Potential of Energy Audits per year</b>						
Year	Residential			Commercial/Industrial		
	Summer Demand	Winter Demand	Annual Energy	Summer Demand	Winter Demand	Annual Energy
	MW	MW	mWh	MW	MW	mWh
2010	0	0	1,295	0.037	0.037	219
2011	-	-	1,295	0.037	0.037	219
2012	-	-	1,295	0.037	0.037	219
2013	-	-	1,295	0.037	0.037	219
2014	-	-	1,295	0.037	0.037	219
2015	-	-	1,295	0.037	0.037	219
2016	-	-	1,295	0.037	0.037	219
2017	-	-	1,295	0.037	0.037	219
2018	-	-	1,295	0.037	0.037	219
2019	-	-	1,295	0.037	0.037	219

**2. Please provide a detailed explanation of how OUC intends to monitor and measure the energy savings attributed to its energy audit programs (Home Energy Surveys).**

**OUC RESPONSE**

The energy savings attributable to OUC's energy audit program will be determined by the following procedure:

- A suitable sample population of participating customers who had an energy survey in a chosen month and did not participate in any other OUC program will be selected.
- OUC will compare the participating customers' 12-month consumption before and after the month in which the energy survey was completed to determine the percentage reduction in energy consumption (if any) for each customer in the same group.
- A suitable sample of non-participating customers (control group) in comparable facilities that did not have an energy survey or participate in any other OUC program will be selected.
- OUC will compare the non-participating customers' 12-month consumption before and after the month in which the participating customers had the energy survey. This will allow OUC to adjust for economic, weather and other factors that affect all customers.
- The percent change in each participating customer's consumption and the percent change in the control group's consumption will be compared and the difference will be the overall percent change. (ex. The difference between -1% and - 3% is -2% overall reduction due to the energy survey, as an example.)

Respectfully submitted,



---

W. CHRISTOPHER BROWDER  
Office of General Counsel  
Orlando Utilities Commission  
100 W. Anderson Street  
Orlando, FL 32801  
(407) 434-2167

PSC Staff 3rd Interrogatory

1. Energy Audits were not part of Itron's study so the Technical and Achievable potential of Energy Audits were not determined. The following is an attempt to arrive at reasonable estimates.

Year	Residential			Commercial/Industrial		
	Summer Demand	Winter Demand	Annual Energy	Summer Demand	Winter Demand	Annual Energy
	MW	MW	mWh	MW	MW	mWh
2010	0	0	42,466	4.2	4.2	25,040
2011	0	0	43,528	4.3	4.3	25,666
2012	0	0	44,616	4.4	4.4	26,307
2013	0	0	45,731	4.6	4.6	26,965
2014	0	0	46,875	4.7	4.7	27,639
2015	0	0	48,047	4.8	4.8	28,330
2016	0	0	49,248	4.9	4.9	29,039
2017	0	0	50,479	5.0	5.0	29,764
2018	0	0	51,741	5.2	5.2	30,509
2019	0	0	53,034	5.3	5.3	31,271

Based on performing Walk-through Surveys to each and every eligible customer per year every year  
Assumed no degradation of energy savings per year despite repeating survey every year

Growth Rate 2.50%

	Walk-Through SF	Walk-Through MF	DVD SF	DVD MF	Online SF	Online MF	Commercial Energy Audit
Eligible	80,547	98,446	80,547	98,446	80,547	98,446	28,390
kWh savings	273	208	136	104	136	104	882
Annual Savings	21,989	20,477	10,954	10,238	10,954	10,238	25,040
MW savings S	0	0	0	0	0	0	0.00015
MW Savings W	0	0	0	0	0	0	0.00015

Year	Residential			Commercial/Industrial		
	Summer Demand	Winter Demand	Annual Energy	Summer Demand	Winter Demand	Annual Energy
	MW	MW	mWh	MW	MW	mWh
2010	0	0	1,295	0.037	0.037	219
2011	-	-	1,295	0.037	0.037	219
2012	-	-	1,295	0.037	0.037	219
2013	-	-	1,295	0.037	0.037	219
2014	-	-	1,295	0.037	0.037	219
2015	-	-	1,295	0.037	0.037	219
2016	-	-	1,295	0.037	0.037	219
2017	-	-	1,295	0.037	0.037	219
2018	-	-	1,295	0.037	0.037	219
2019	-	-	1,295	0.037	0.037	219

Based on actuals

	Walk-Through SF	Walk-Through MF	DVD SF	DVD MF	Online SF	Online MF	Commercial Energy Audit
Participants/yr	2,013	863	1,816	778	1,320	566	248
kWh savings	273	208	136	104	136	104	882
Annual Savings	550	180	247	81	180	59	219
MW savings S	0	0	0	0	0	0	0.00015
MW Savings W	0	0	0	0	0	0	0.00015