

**KENTUCKY-AMERICAN WATER COMPANY  
CASE NO. 2012-00520  
ATTORNEY GENERAL'S FIRST REQUEST FOR INFORMATION**

---

**Witness:**      **Lewis E. Keathley**

**151.** RR - Please provide the levels of chemical expense included in KAWC's last four rate cases which were the basis for setting consumer rates. Also, please provide the quantities by chemical that supported that level of expense. Finally, provide the total system delivery for each rate case that was used to develop the chemical expense

**Response:**

Please see the workpapers identified below from KAWC's last four rates cases; 2010-00036, 2008-00427, 2007-00143, and 2004-00103) for the levels of chemical expense and the quantities of chemicals. Also included in the workpapers from the last four rate case is the total system delivery.

Chemical

2010-00036	KAW_R_PSCDR1#1a_WP3-3_031610	Pages 2-12
2008-00427	KAW_R_PSCDR1#1a_WP3-3_111408	Pages 1-9
2007-00143	KAW_R_PSCDR1#1a_WP3_052107	Pages 56-63
2004-00103	KAW_R_PSCDR1#1a_WP3_O&MEXPENSES_052004.pdf Pages 46-51 CHEMICALS W/P-3-3	Pages 1-6

System Delivery

2010-00036	KAW_R_PSCDR1#1a_WP3-3_031610	Page 13
2008-00427	KAW_R_PSCDR1#1a_WP3-2_111408	Page 11
2007-00143	KAW_R_PSCDR1#1a_WP3_052107	Page 54
2004-00103	KAW_R_PSCDR1#1a_WP3_O&MEXPENSES_052004.pdf Page 52 CHEMICALS W/P-3-3	Page 7

**KENTUCKY-AMERICAN WATER COMPANY**  
**CASE NO. 2012-00520**  
**ATTORNEY GENERAL'S FIRST REQUEST FOR INFORMATION**

---

**Witness:**     **Linda C. Bridwell**

**152.** RR - In reference to Exhibit 37, Schedule B-5.2, please provide all rationale for assigning a zero expense lag to net income, depreciation and amortization, uncollectibles, amortization and regulatory expense.

- a. Does the Company agree that these components should not be included in the weighted expense lag calculation. Please explain in detail

**Response:**

- a. The Company does not agree that the components referenced should not be included in the weighted expense lag calculation. Please see explanations below.

Net Income – Net Income should be included in the base of Net Operating Funds because it is a component of the revenue requirement and should reflect the fact that Revenue and Net Income were earned when service was provided, but were not collected at the time of service as is evidenced by the revenue lag days.

Depreciation – Since the Company's rate base is reduced with depreciation expense is recorded and the associated accumulated depreciation is deducted from rate base, there exists a time equal to the revenue lag days for which the company has not collected recovery of the expense. Therefore, Depreciation Expense should be included in the base of Operating Funds.

Amortization & Uncollectibles – The Company followed the procedure utilized in the prior rate case, Case No. 2010-00036, which was to include the expenses in the base of Operating Funds with zero lag day calculations.

Regulatory Expense – The Company included the expense calculated with zero lag days in the current case to be consistent with the methodology utilized for Amortization Expense, since all of the activity in the account were amortization entries throughout the test year.

**KENTUCKY-AMERICAN WATER COMPANY**  
**CASE NO. 2012-00520**  
**ATTORNEY GENERAL'S FIRST REQUEST FOR INFORMATION**

---

**Witness: Linda C. Bridwell**

- 153.** RR - Please describe in detail all materials and supplies that the AWW centralized procurement group purchases for KAWC.
- a. Does the centralized procurement group purchase chemicals for KAWC?
  - b. Does KAWC believe the purchases of these materials and supplies provide savings to KAWC? If so, has KAWC performed any analysis to document these savings? If not, why does KAWC continue to have these services performed on its behalf?

**Response:**

Below is a list of major materials and services contracts that AWW centralized procurement group negotiates and manages for KAWC through 2012.

Commercial Printing  
Computer Hardware and Software  
Consulting Services  
Courier Services  
Engineering Services  
Fleet Vehicle, Equipment and Maintenance Services  
Flow Controls  
Fuel and Power  
Generators  
Health Insurance  
IT Peripherals  
Laboratory Supplies and Services  
Marketing Services  
Meters and Meter Setting Equipment  
Mobile Equipment  
MRO Items  
Office Equipment and Supplies  
Pipes and Fittings  
Security Services  
Telecommunications Hardware and Services  
Temporary Labor  
Travel Services  
Uniforms  
Water Treatment Chemicals  
Website and Promotional Design

- a) The centralized procurement group does negotiate and manage the purchase agreements of chemicals for KAWC.
- b) The AWW centralized procurement group has analyzed 2011 activity and has estimated during 2011, KAWC received approximately \$715,000 in benefits from centrally negotiated and managed agreements, including an estimated \$223,000 related to water treatment chemicals.

**KENTUCKY-AMERICAN WATER COMPANY  
CASE NO. 2012-00520  
ATTORNEY GENERAL'S FIRST REQUEST FOR INFORMATION**

---

**Witness:** Cheryl D. Norton/Keith Cartier/Linda C. Bridwell

**154.** RR - In reference to Mr. Lance Williams' testimony, page 7, please breakdown the CWIP balance included in the Company's forecasted test year rate base, by the different stages in the CIMC process.

**Response:**

The Kentucky capital budgets are not forecasted and delineated to the level of detail requested by this data request.

**KENTUCKY-AMERICAN WATER COMPANY**  
**CASE NO. 2012-00520**  
**ATTORNEY GENERAL'S FIRST REQUEST FOR INFORMATION**

---

**Witness:**      **Melissa L. Schwarzell**

**155.**    RR - Please provide the water and sewer percentages for calendar years 2010, 2011 and 2012 that were used to allocate payroll, payroll taxes and payroll benefits.

**Response:**

The water and sewer percentages that were used to allocated payroll, payroll taxes, and payroll benefits, were based on charges during 2010 and 2011. Please see the Workpaper 3, pages 21-23 of 180, which was provided in response to Item 3 of the Commission Staff's first request for information. This work paper is where the charges were averaged to provide a "Water %" for each job code in a business unit, based on the average % of water charges over the 2010-2011 period.

The excel file for this workpaper was provided to all parties on CD also in response to the same Item referenced above.

Excel Location:

Exhibits\Expense\[Labor and Labor Related.xlsx]Ky Sewer

**KENTUCKY-AMERICAN WATER COMPANY  
CASE NO. 2012-00520  
ATTORNEY GENERAL'S FIRST REQUEST FOR INFORMATION**

---

**Witness:**      **Melissa L. Schwarzell**

**156.**    RR - Please provide the actual KAWC labor O&M percentages for the last ten calendar years.

**Response:**

The actual O&M percentages for the last ten calendar years are calculated below.

**Kentucky American  
O&M Ratios 2003 - 2012**

**Calculation:**

**Dollars Charged to Expense Labor Accounts 501200, 501210, 501211/  
(Dollars Charged to Asset Accounts + Dollars Charged to Expense Labor Accounts)**

	<u>O&amp;M %</u>
2003	82.60%
2004	83.87%
2005	84.94%
2006	82.31%
2007	79.00%
2008	76.68%
2009	81.43%
2010	81.24%
2011	83.34%
2012	84.33%

**KENTUCKY-AMERICAN WATER COMPANY**  
**CASE NO. 2012-00520**  
**ATTORNEY GENERAL'S FIRST REQUEST FOR INFORMATION**

---

**Witness:**      **Melissa L. Schwarzell**

**157.** RR - Please describe in detail how actual paid property taxes are calculated for a particular year. Please include the assessment date for property, the property tax rate and the property tax payment dates.

**Response:**

Every year all property assets are reported by tax location to the Kentucky Revenue Cabinet by April 30. This includes a breakdown within each county of each tax location, and by Real and Personal property. Also included are any assets that are exempt from property tax through manufacturing or pollution control exemptions. The Revenue Cabinet then reviews the report and completes an assessment. The Revenue Cabinet may ask for further documentation to support the value of identified assets or exempt assets. The assessment is provided to the Company for an opportunity to review and challenge. The Revenue Cabinet then notifies each county of the assessments by tax location within the county, for both real and personal property. The county then sends a tax bill to Kentucky American, with payment due within 60 days.



**KENTUCKY-AMERICAN WATER COMPANY**  
**CASE NO. 2012-00520**  
**ATTORNEY GENERAL'S FIRST REQUEST FOR INFORMATION**

---

**Witness:** Cheryl D. Norton/Keith Cartier/Linda C. Bridwell

**158.** RR - Please describe when KRS II was fully operational and used for service. Please provide the data when the transmission line, tank and booster station from KRS II will be completed and used for service.

**Response:**

KRS II was fully operational and used for service beginning September 20, 2010. The proposed Northern Connection is scheduled for in-service in December 28, 2013 but construction has not been initiated, pending approval of the application for a Certificate of Convenience and Necessity.

**KENTUCKY-AMERICAN WATER COMPANY**  
**CASE NO. 2012-00520**  
**ATTORNEY GENERAL'S FIRST REQUEST FOR INFORMATION**

---

**Witness:**     **Linda C. Bridwell**

**159.**   RR - Please provide the level of investment by month included in the forecast test year for the Owenton plant. Please provide plant in service, accumulated depreciation, and other rate base values separately.

**Response:**

The forecast test year does not contain any level of construction investment for the Owenton plant. This is because the Company plans to retire the plant, pending approval of the proposed facilities in Case No. 2012-00096. If the proposed facilities are not approved, considerable construction investments in this plant would need to be made.

There is \$100,000 of cost of removal spending in the forecast test year for the Owenton plant retirement, again pending the approval of the proposed facilities in Case No. 2012-00096.

**KENTUCKY-AMERICAN WATER COMPANY**  
**CASE NO. 2012-00520**  
**ATTORNEY GENERAL'S FIRST REQUEST FOR INFORMATION**

---

**Witness: Keith Cartier**

**160.** RR - Please provide the non-revenue water results for 2010, 2011 and 2012. Please breakdown the results into "other water used" and "water loss." Please breakdown the "water loss" category further into water loss from tank overflows, line breaks and other loss, theft of service, non-metered usage and other loss.

**Response:**

Please see the attached year ending PSC Water Loss Reports for 2010, 2011 and 2012. KAW has not quantified the volume of water loss specifically attributable to theft of service and non-metered usage, which would be shown in the "Other" category on line 27 of the PSC report forms. Consequently, any volume of water loss in those categories is embedded in the "Line Leak" volume, which captures all volumes not specifically noted elsewhere on the report form.

# PUBLIC SERVICE COMMISSION

## Monthly Water Loss Report

Water Utility:

For the Month of:  Year:

LINE #	ITEM	GALLONS (Omit 000's)	
1	<b>WATER PRODUCED, PURCHASED &amp; DISTRIBUTED</b>		
2	Water Produced	14,769,888	
3	Water Purchased	47,494	
4	<b>TOTAL PRODUCED AND PURCHASED</b>	<b>14,817,382</b>	
5			
6	<b>WATER SALES</b>		
7	Residential	6,227,412	
8	Commercial	4,085,271	
9	Industrial	567,427	
10	Bulk Loading Stations	5,396	
11	Wholesale	486,031	
12	Other Sales <u>OPA</u>	1,696,422	
13	<b>TOTAL WATER SALES</b>	<b>13,067,959</b>	88.2%
14			
15	<b>OTHER WATER USED</b>		
16	Utility and/or Water Treatment Plant	40,099	
17	Wastewater Plant	6,615	
18	System Flushing	61,531	
19	Fire Department	1,748	
20	Other <u>Inactive; Unbilled metered authorized</u>	25,400	
21	<b>TOTAL OTHER WATER USED</b>	<b>135,393</b>	0.9%
22			
23	<b>WATER LOSS</b>		
24	Tank Overflows	174	
25	Line Breaks	122,982	
26	Line Leaks	1,490,874	
27	Other _____		
28	<b>TOTAL LINE LOSS</b>	<b>1,614,030</b>	10.9%
29			
30	Note: Line 13 + Line 21 + Line 28 Must Equal Line 4		
31			
32	<b>WATER LOSS PERCENTAGE</b>		
33	Unaccounted-For Water (Line 28 divided by Line 4)	<b>10.9%</b>	

# PUBLIC SERVICE COMMISSION

## Monthly Water Loss Report

Water Utility:

For the Month of:  Year:

LINE #	ITEM	GALLONS (Omit 000's)	
1	<b>WATER PRODUCED, PURCHASED &amp; DISTRIBUTED</b>		
2	Water Produced	13,729,605	
3	Water Purchased	55,885	
4	<b>TOTAL PRODUCED AND PURCHASED</b>	<b>13,785,490</b>	
5			
6	<b>WATER SALES</b>		
7	Residential	5,855,289	
8	Commercial	3,749,228	
9	Industrial	480,417	
10	Bulk Loading Stations	2,530	
11	Wholesale	441,380	
12	Other Sales <u>OPA</u>	1,384,648	
13	<b>TOTAL WATER SALES</b>	<b>11,913,492</b>	86.4%
14			
15	<b>OTHER WATER USED</b>		
16	Utility and/or Water Treatment Plant	21,152	
17	Wastewater Plant	6,743	
18	System Flushing	173,922	
19	Fire Department	2,141	
20	Other <u>Inactive; Unbilled metered authorized</u>	8,859	
21	<b>TOTAL OTHER WATER USED</b>	<b>212,817</b>	1.5%
22			
23	<b>WATER LOSS</b>		
24	Tank Overflows		
25	Line Breaks	144,665	
26	Line Leaks	1,514,516	
27	Other _____		
28	<b>TOTAL LINE LOSS</b>	<b>1,659,181</b>	12.0%
29			
30	Note: Line 13 + Line 21 + Line 28 Must Equal Line 4		
31			
32	<b>WATER LOSS PERCENTAGE</b>		
33	Unaccounted-For Water (Line 28 divided by Line 4)	<b>12.0%</b>	

# PUBLIC SERVICE COMMISSION

## Monthly Water Loss Report

Water Utility:

For the Month of:  Year:

LINE #	ITEM	GALLONS (Omit 000's)	
1	<b>WATER PRODUCED, PURCHASED &amp; DISTRIBUTED</b>		
2	Water Produced	14,308,289	
3	Water Purchased	85,239	
4	<b>TOTAL PRODUCED AND PURCHASED</b>	<b>14,393,528</b>	
5			
6	<b>WATER SALES</b>		
7	Residential	6,095,862	
8	Commercial	3,924,932	
9	Industrial	555,464	
10	Bulk Loading Stations	9,480	
11	Wholesale	459,907	
12	Other Sales <u>OPA</u>	1,474,658	
13	<b>TOTAL WATER SALES</b>	<b>12,520,303</b>	87.0%
14			
15	<b>OTHER WATER USED</b>		
16	Utility and/or Water Treatment Plant	10,034	
17	Wastewater Plant	3,360	
18	System Flushing	59,616	
19	Fire Department	642	
20	Other <u>Inactive; Unbilled metered authorized</u>	2,577	
21	<b>TOTAL OTHER WATER USED</b>	<b>76,228</b>	0.5%
22			
23	<b>WATER LOSS</b>		
24	Tank Overflows	562	
25	Line Breaks	93,679	
26	Line Leaks	1,702,756	
27	Other _____		
28	<b>TOTAL LINE LOSS</b>	<b>1,796,997</b>	12.5%
29			
30	Note: Line 13 + Line 21 + Line 28 Must Equal Line 4		
31			
32	<b>WATER LOSS PERCENTAGE</b>		
33	Unaccounted-For Water (Line 28 divided by Line 4)	<b>12.5%</b>	

**KENTUCKY-AMERICAN WATER COMPANY**  
**CASE NO. 2012-00520**  
**ATTORNEY GENERAL'S FIRST REQUEST FOR INFORMATION**

---

**Witness:**     **Keith Cartier**

**161.**   RR - Please provide the water loss percentage for 2010, 2011 and 2012 and show the calculation.

**Response:**

Please refer to the response to Item 160 of this same data request.

**KENTUCKY-AMERICAN WATER COMPANY**  
**CASE NO. 2012-00520**  
**ATTORNEY GENERAL'S FIRST REQUEST FOR INFORMATION**

---

**Witness:**      **Linda C. Bridwell**

**162.** RR - Please provide the revenues received by KAWC for non-fire prevention-related water use in fire service and water loss from third party damage to water mains and hydrants. Did KAWC include these revenues in its cost of service? If yes, please identify where and the level.

**Response:**

KAWC included \$30,748 of non-fire related water use in the Company's cost of service. Please see the workpaper W/P – 2-3 page 324 of 342 that was provided in response to item number 3 of the Commission Staff's first data request. The excel workpaper Fire Service Usage Estimate.xlsx was also provided in the same request. The Company did not attribute any additional revenues to water loss from third party damage to water mains and hydrants.



**KENTUCKY-AMERICAN WATER COMPANY**  
**CASE NO. 2012-00520**  
**ATTORNEY GENERAL'S FIRST REQUEST FOR INFORMATION**

---

**Witness:**     **Keith Cartier/Cheryl D. Norton**

**163.** RR - Please provide all details related to Kentucky Utilities Company's energy load shedding program as it relates to KAWC's operations.

**Response:**

Please see attached documentation for a full description of KU's commercial demand conservation program. The program is designed to reduce KU's electric demand during peak demand periods, thus mitigating their need to purchase or dispatch their highest cost power. By voluntarily reducing demand during these demand events, KU rewards participants within the program with up to \$25 per kilowatt-year based on the energy reduction during the cycling events.

Kentucky American Water entered into the agreement with Kentucky Utilities on June 8, 2012, registering up to four facilities with a demand reduction potential of 1,135 kilowatts. The four facilities are Clays Mill Booster, Parkers Mill Booster, Richmond Road Pump Station, and Woodlake Booster. KAW has been contacted for only one event, September 6, 2012 and for that event, we were able to reduce our demand 1,078 kw. As a result of our reduction, we received \$26,943 for our participation. This money was credited to fuel and power expenses.



LG&E and KU Energy LLC  
P.O. Box 32010  
Louisville, KY 40232

Customer participation helps reduce peak demand when energy use is highest, maintain a ready supply of energy for our expanding communities and delay the need for additional generation.

## Commercial Demand Conservation Frequently Asked Questions

# Reduce Energy and Earn Monetary Incentives

### What is the LG&E and KU Commercial Demand Conservation Program?

LG&E and KU have expanded the Commercial Demand Conservation program through a partnership with EnerNOC—the world's leading provider of demand response applications and solutions—to bring Automated Demand Response (Auto DR) to commercial customers.

### How does it work?

Commercial customers who enroll agree to reduce a set amount of electricity consumption during periods of peak demand. As the program implementer, EnerNOC will work with building staff at each participating site to create a customized energy curtailment plan. Each plan will be tested before a live cycling event to give customers a better idea of how the plan will work as part of day-to-day operations during an event.

During the program period from June 1–September 30, events may be called Monday–Friday from 2 p.m.–6 p.m., Eastern Standard Time. No more than 20 events may be called per year, and no more than one event may be called per day.

### PROGRAM FAST FACTS:

**Program Description:** Commercial Automated Demand Response

**Eligibility:** Commercial customers with an interval meter and demand greater than 200kW

**Program Months:** June–September

**Program Hours:** 2 p.m.–6 p.m.

**Event Triggers:** Peak energy usage periods

**Advance Notice/Response Time:** 60 minutes

**Dispatch Duration:** 1–4 hours

**Dispatch Maximum:** Up to 20 events per year; no more than one event per day



**What equipment do I need to participate?**

EnerNOC will provide on-site metering and communications equipment at each participating site to help LG&E and KU monitor the site's real-time energy usage and measure savings. EnerNOC's wireless technology does not tie into a site's communications infrastructure.

In addition, each participating customer will have access to EnerNOC's DemandsMART™ online application to monitor real-time energy usage in five-minute increments to maximize your energy reduction opportunities, and in turn, increase your monetary incentives.

**What types of reductions can I make?**

A customized curtailment plan will maximize your opportunities to reduce energy usage while minimizing impacts on business operations. This plan will be tailored to each site to make sure it's a comfortable fit. Energy reductions can be made across a broad range of equipment. Common examples include: raising thermostat settings by a few degrees, changing ventilation patterns or cutting back on non-essential lighting.

**Is there a cost to participate?**

There is no additional cost for you to participate in this program.

**What type of compensation will I receive for participating?**

Participants receive up to \$25 per kilowatt-year based on their energy reductions during cycling events. The incentives will vary based on actual energy reductions and the frequency of demand response dispatches. Incentives will be distributed after the demand response season is complete.

**What Happens During an Event?**

A customized curtailment plan will maximize your opportunities to reduce energy usage while minimizing impacts on business operations. This plan will be tailored to each site to make sure it's a comfortable fit. Energy reductions can be made across a broad range of equipment. Common examples include: raising thermostat settings by a few degrees, changing ventilation patterns or cutting back on non-essential lighting.

**Notification**

When LG&E and KU schedule an event, the utilities dispatch the EnerNOC demand response network into action. EnerNOC notifies all program participants 60 minutes before an event by email, phone, or pager.

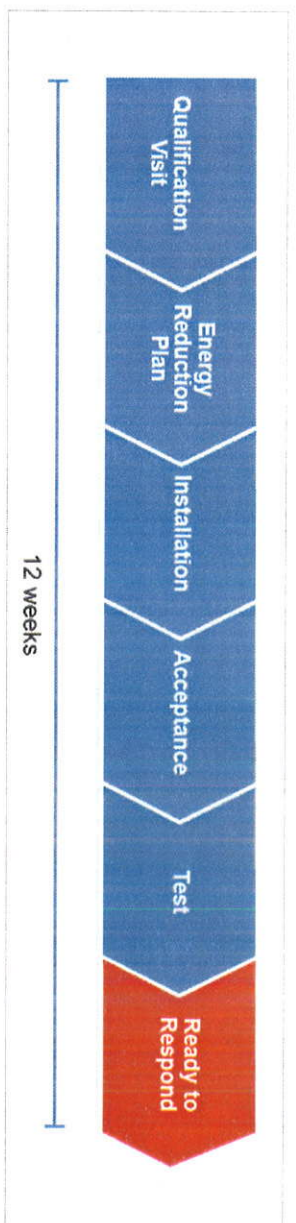


Fig. 2: The Implementation Timeline

**Response**

At the start of the event, your facility will reduce electricity according to your customized curtailment plan. Minimal action is required on your part.

**Support**

Before, during and after an event, the EnerNOC team remains in close contact with your facility and is always available to provide assistance and answer your questions.

**About EnerNOC**

EnerNOC helps commercial, institutional, and industrial organizations use energy more intelligently, pay less for it, and generate cash flow that benefits the bottom line. We provide a full suite of energy management solutions including: DemandsMART™ (comprehensive demand response), EfficiencySMART™ (continuous energy savings), and CarbonSMART™ (enterprise carbon management). For more information, visit [www.enernoc.com](http://www.enernoc.com).



**Want more information?**

To learn more about how your business can benefit from LG&E and KU's Commercial Demand Conservation, please call 1-855-710-9959.

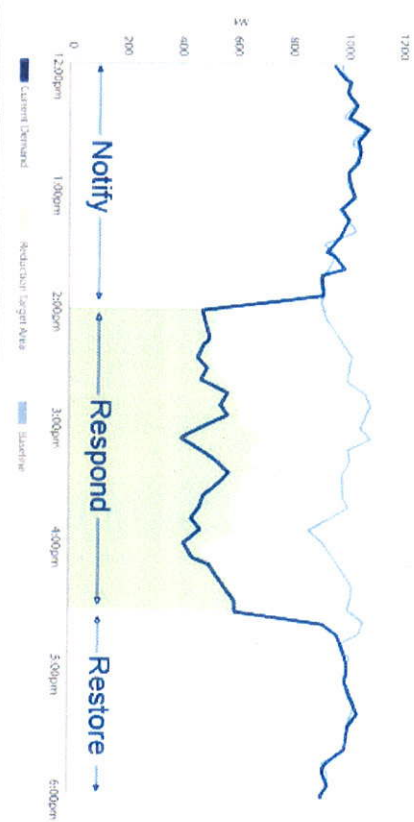


Fig. 1: How Demand Response Events Work



## Demand Response Administration Agreement

This Demand Response Administration Agreement (this "Agreement"), effective as of 6-8-12 ("Effective Date"), the scope of which is described more fully below, is made by and between EnerNOC, Inc. ("EnerNOC"), located at 101 Federal St., Suite 1100, Boston, MA 02110 USA, and Kentucky American Water ("Customer"), located at 2300 Richmond Road, Lexington, KY 40502. EnerNOC and Customer are defined herein as the Parties ("Parties") to this Agreement.

1. **Term.** This Agreement shall commence on the Effective Date and end on 12/08/2014 (the "Term").
2. **EnerNOC Managed Services**
  - a. **Scope of Services.** EnerNOC agrees to manage Customer's participation in the LG&E demand response program(s), as further described in the Commercial Demand Conservation Program Agreement between LG&E and Customer effective 6-8-12 ("LGE Agreement"). EnerNOC will (i) work with Customer to develop an appropriate curtailment plan for Customer's business; (ii) complete all necessary permits and associated reporting on Customer's behalf; (iii) manage Customer's curtailable electrical capacity in the Programs and, upon notification by EnerNOC and acceptance by Customer, provide real-time support to Customer during demand response events ("Demand Response Events"), via automated demand response. In addition, as necessary, EnerNOC will coordinate with LG&E to capture kilowatt-hour (kWh) pulses from the Customer's primary utility meter to provide Customer near real-time, Internet-enabled power monitoring.
  - b. **EnerNOC System.** EnerNOC may equip one or more of Customer facility address (each a "Site Address") as identified on Attachment A-1 hereto with the EnerNOC system, which includes an EnerNOC Site Server ("ESS") that can enable remote generator start/stop and/or direct load management, power metering, data collection, near real-time data communication, and Internet-based reporting and analytics. Subsequent to the date hereof, Attachment A-1 may be updated in writing from time to time by the Parties to reflect additional Site Addresses.
  - c. **Payments.** Customer acknowledges that payment for this program is pursuant to the LGE Agreement.
3. **Customer Support Requirements**
  - a. **ESS Installation.** Within fourteen (14) days of notification from EnerNOC of an ESS installation requirement, Customer shall provide either a static or non-static, as applicable, Internet Protocol (IP) address and Local Area Network (LAN) access that allows for Internet-based communication of Site Address' electricity consumption and Demand Response Event performance.
  - b. **Acceptance Testing.** Customer agrees to collaborate with EnerNOC in testing the ESS at each Site Address where the ESS is installed in a timely manner prior to registering with the Program(s).  
Accepted Capacity and is solely the Parties' best estimate of performance and that Accepted Capacity may vary.
  - c. **Nondisclosure to Third Parties.** Customer and EnerNOC acknowledge that in its relationship with the other Party, it may receive information including (but without limitation): confidential information, business strategies, financial information, information relating to the ESS and the EnerNOC System, and information contained in this Agreement, (all collectively "Confidential Information"). Except as required by applicable law or regulation or as expressly set forth in Subsection 3(f) hereof, neither Party shall disclose any Confidential Information to any third party or allow any third party access to such Confidential Information.
  - d. **Trade Secret Protection Obligations.** Customer shall not alter, reverse engineer, disassemble, decompile or copy the ESS or any other EnerNOC System components and shall not allow any third party to use, access, or examine the ESS or any other EnerNOC System components.
  - e. **Use of Confidential Information.** Notwithstanding anything contained herein to the contrary, Customer acknowledges that EnerNOC may receive Confidential Information of Customer through data collected by the ESS and the EnerNOC System, which may be disclosed by EnerNOC to the applicable independent system/grid operator and/or utility as solely necessary for the performance of this Agreement.
  - f. **Logo Authorization.** In connection with this Agreement, Customer hereby consents to EnerNOC's use of Customer's name and logo in EnerNOC's promotional materials, including, but not limited to, website, presentations and other printed materials. EnerNOC acknowledges that Customer is the owner of all right, title and interest in and to the Customer's name and logo and shall not take any action that is inconsistent with such ownership. EnerNOC shall not, by any act or omission, use Customer's name or logo in any manner that tarnishes, degrades, disparages or reflects adversely on Customer or its business or reputation.
4. **General Terms**
  - a. **Limitation on Liability.** Except for the indemnification obligations contained herein, EnerNOC's liability hereunder is limited to direct actual damages as the sole and exclusive remedy, and total damages shall not exceed \$100,000. All other remedies or damages (at law, in equity, tort, contract, or otherwise) are expressly waived, including any indirect, punitive, special, consequential, or incidental damages, lost profit, or other business interruption damages.
  - b. **Indemnification.** EnerNOC agrees to defend and indemnify, at its own expense, any third party claim against Customer, its parent corporation, affiliates, directors, employees and agents that arise due to any (i) bodily injury, death or damage to tangible personal property to the extent caused by the negligent acts or omissions of EnerNOC or its employees in the performance of this Agreement and (ii) a claim that the EnerNOC System or any goods or services provided by EnerNOC hereunder (so long as the foregoing have not been altered or modified by a party other than EnerNOC) or the use thereof by



hereunder (so long as the foregoing have not been altered or modified by a party other than EnerNOC) or the use thereof by Customer infringes upon any copyright, trademark, trade secret or proprietary right of any third party. EnerNOC will pay reasonable legal fees as incurred and such damages or costs as are finally awarded against Customer or agreed to in settlement for such claim provided that Customer gives EnerNOC (i) prompt written notice of any such claim or threatened claim, (ii) sole control of the defense, negotiations and settlement of such claim, and (iii) full cooperation in any defense or settlement of the claim.

- c. **Choice of Law.** This Agreement shall be governed by and construed and enforced in accordance with the laws of the Commonwealth of Kentucky, without giving effect to choice of law rules.
- d. **Miscellaneous.** Customer may not assign any of its rights or delegate any of its performance obligations hereunder without the prior written consent of EnerNOC. This Agreement contains the entire agreement between Customer and EnerNOC and may only be amended in writing signed by each of the Parties. If any of its provisions shall be held invalid or unenforceable, this Agreement shall be construed as if not containing those provisions and the rights and obligations of the Parties hereto shall be construed and enforced accordingly. This Agreement shall be binding upon the Parties together with their successors and assigns.
- e. **Force Majeure.** The Parties shall be excused for any failure or delay in the performance of their obligations hereunder due to acts of God or any other legitimate cause beyond their reasonable control.
- f. **Termination.** EnerNOC may terminate this Agreement immediately if the Program(s) is materially altered, suspended or ended.
- g. **Notices.** Any notices required or permitted to be given hereunder by either Party to the other shall be given in writing: (1) by personal delivery; (2) by electronic facsimile with confirmation sent by United States first class registered or certified mail, postage prepaid, return receipt requested; (3) by bonded courier or by a nationally recognized overnight delivery company; or (4) by United States first class registered or certified mail, postage prepaid, return receipt requested, in each case, addressed to the Parties as follows (or to such other addresses as the Parties may request in writing by notice given pursuant to this Section): EnerNOC, Inc., Attn: Assistant General Counsel, 101 Federal Street, Suite 1100, Boston, MA 02110; and to the Customer at 2300 Richmond Rd Lexington Ky 40502.

EnerNOC, Inc.

Laurie Harrison

Customer

Name:

Deputy General Counsel

Name:

Keith Carter

Title:

Title:

Vice President Operations

Signature:

Signature:

Keith Carter

Date:

---

Date:

6-8-12

**Attachment A-1**

<b>Site Name</b>	<b>Site Address</b>	<b>Estim. Capacity (kW)</b>
American Water	4400 Clays Mill Road Lexington, KY 40503	250
American Water	2095 Parkers Mill Road Pump Station Lexington, KY 40503	250
American Water	2400 Richmond Road Pump Station Lexington, KY 40503	250
American Water	1635 Woodlake Road Frankfort, KY 40601	250



PPL companies

LG&E KU Commercial Demand Conservation Program

© EnerNOC Inc.

PROPRIETARY AND CONFIDENTIAL



## Agenda


1. Introductions & EnerNOC Overview
2. LG&E and KU Commercial Demand Conservation Program
3. DemandSMART Overview & Demonstration
4. Questions & Answers



Proprietary and Confidential

2

# Introductions & EnerNOC Overview



3

## Introduction to EnerNOC


**Market Leader in C&I Demand Response and Industrial Energy Efficiency**

- More than 6,650 MW of C&I DR under management across 10,700 customer sites
- More than 450,000 MWh of Industrial EE achieved to date
- 100+ utility and grid operator partners

**Strong Track Record**

- Publicly traded on NASDAQ (ticker: ENOC)
- Profitable with 2010 revenues of \$280 million
- 500+ full-time employees

<b><i>Demand Response</i></b>	<b><i>Energy Efficiency</i></b>	<b><i>Consulting Services</i></b>
<ul style="list-style-type: none"> <li>▪ C&amp;I DR Implementation               <ul style="list-style-type: none"> <li>• Emergency</li> <li>• Peak Shaving</li> <li>• Ancillary Services</li> </ul> </li> <li>▪ AutoDR Expertise</li> <li>▪ Agricultural DR Expertise</li> </ul>	<ul style="list-style-type: none"> <li>▪ Industrial EE Program Implementation</li> <li>▪ Energy Services (RCx, audits, etc.)</li> <li>▪ Persistent Commissioning (PCx)</li> <li>▪ Continuous Energy Improvement (CEI)</li> </ul>	<ul style="list-style-type: none"> <li>▪ Load and Market Analysis</li> <li>▪ Strategic Planning</li> <li>▪ Program Design &amp; Development</li> <li>▪ Program Evaluation</li> <li>▪ Regulatory Support &amp; Expert Testimony</li> <li>▪ Engineering Support Services</li> </ul>



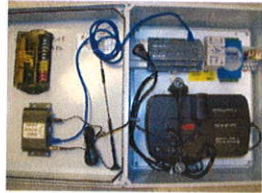
Proprietary and Confidential

4



## EnerNOC's Technology Platform

EnerNOC has built a highly-scalable technology platform, based on two-way communication of real-time data, providing a foundation for consistent and reliable resource performance.



### EnerNOC Site Server (ESS)

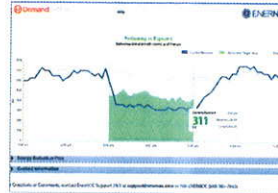
At customers sites, EnerNOC installs an ESS, a gateway device that establishes communication with our network and provides near-real time visibility into end-user energy consumption.

The ESS also allows the NOC to remotely curtail loads in order to deliver automated demand response (AutoDR) capacity.



### Energy Network Operations Center

Our two NOCs, staffed 24x7x365, feature advanced technology and specialized staff to ensure that load reductions happen quickly, efficiently, and consistently for both the utility and end users.



### DemandSMART

EnerNOC's web-based energy management platform monitors energy consumption and enables end-user load control.

DemandSMART also provides end-users with a web portal, and utilities with the ability to view load reductions during demand response events.



Proprietary and Confidential

## LG&E and KU Commercial Demand Conservation Program



### The Benefits of Demand Response



Earn Payments



Protect Your Operation



Protect Your Community



Preserve the Environment



Proprietary and Confidential

7

### How Demand Response Events Work



Proprietary and Confidential

## Program Parameters

### Commercial Demand Conservation Program

Eligible Customers	Commercial customers with demand greater than 200 kW and have an interval meter.
Payments	Capacity payment available of \$25/kW of energy reduction.
Demand Response Methods	Back-up generation (BUG) and curtailment.
Response Time	At least sixty (60) minutes advance notice before events.
Program Period / Hours	June – September between the hours of 2pm – 6pm.
Event Frequency	Maximum of 20 event days.
Event Penalties	No penalty for individual events, but participant performance will be monitored and changes may be required to assure program effectiveness.
Performance Calculation	Average difference between customer baseline and usage across the dispatch window. Baseline 5 of 10 with an upwards-only adjustment.



## Simple, Implementation

EnerNOC's implementation process is designed to be fast, cost-effective and scalable with an emphasis on customer satisfaction and support.



## Customized Energy Reduction Plans

HOW YOU PARTICIPATE



Curtailment

or



Self-Generation

HOW YOU TAKE ACTION



Automatic



11

## DemandSMART Overview



12

## DemandSMART

*DemandSMART provides an energy management tool available 24/7/365 to provide greater insight into energy use*

### Scalable, web-based platform that gives you:

- Near real-time, 5-minute energy data
- Data specific for each meter and/or facility with full aggregation of your sites/meters
- 3 years of storage
- Easy export of data to Excel
- The ability to compare energy use on multiple days, weeks, months, etc.

### Measurable financial benefits include:

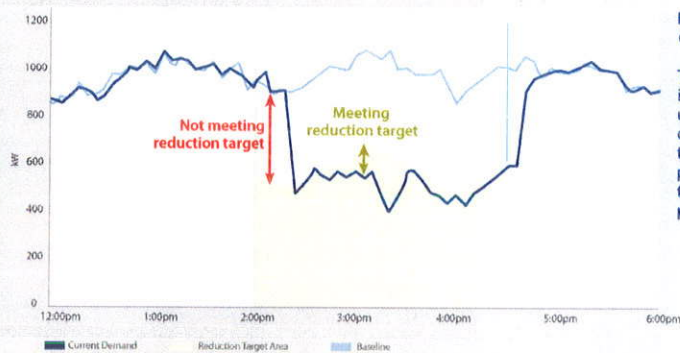
- Manage peak demand
- Monitor DR event performance to maximize payments during events
- Compare different facilities or operations to identify energy outliers



13

## Maximizing Event Performance

The value in demand response is only realized through sound execution. DemandSMART drives bottom line impact through revenue assurance and maximization.



### Event Underperformer: Coaching Needed

The NOC event staff identifies an underperforming site and coaches them through their energy reduction plan in order to maximize their DemandSMART payments.



14

## Example: Reduce Peak Demand

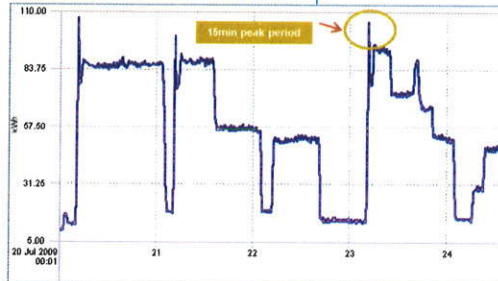
### Reduce Peak Demand

Peak demand charges are often a significant portion of a businesses monthly energy spend and can average between 15-40% of the bill. DemandSMART can be used to find the peaks, lower them, and generate significant annual savings on your electricity bill.

#### Execution:

- 1) A customer's peak demand charge was determined monthly by the single highest peak demand during a 15-30 min period.
- 2) The customer used DemandSMART to monitor historical consumption and pinpoint their monthly peak demand periods.
- 3) By doing this they were able to identify the drivers of electricity consumption during those peak periods and revise their processes during those times to limit their consumption and lower their monthly peak demand.

DemandSMART Screenshot

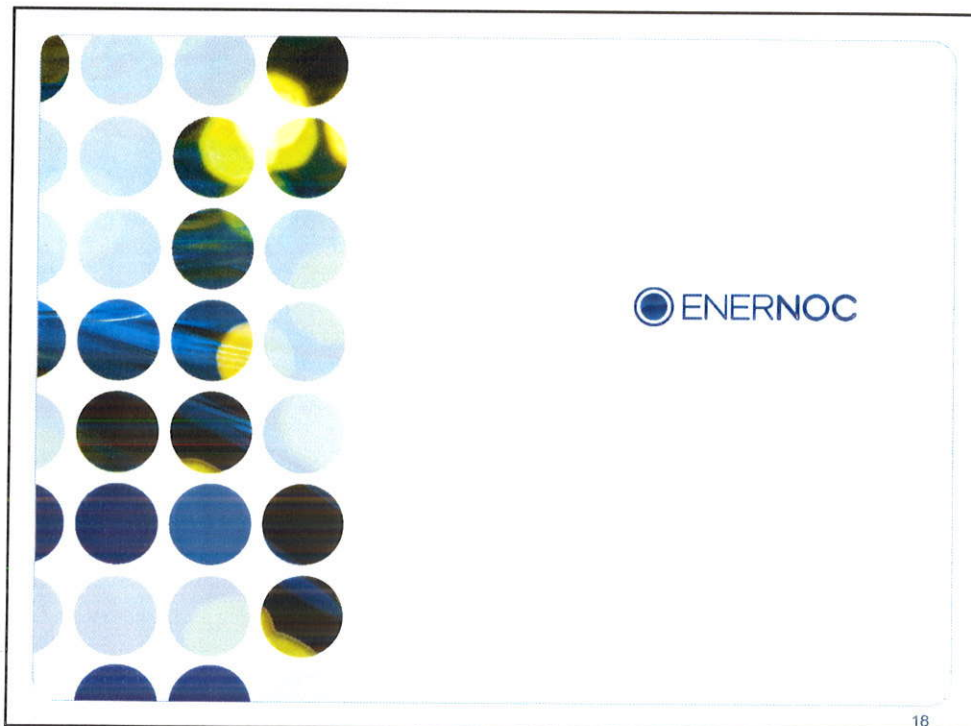
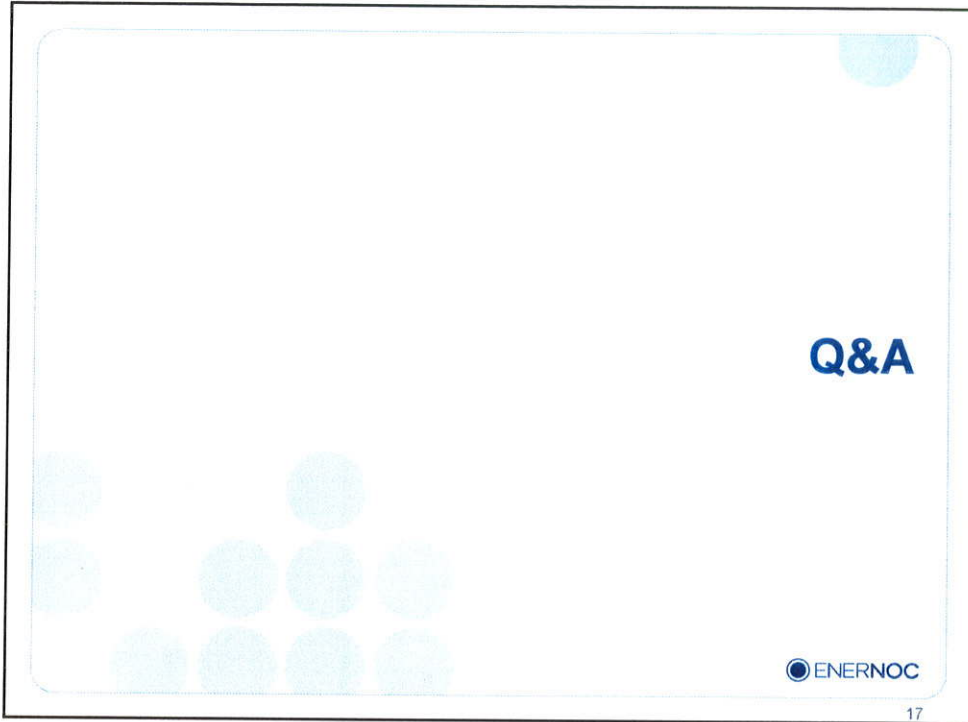


15

## DemandSMART Demo

ENERNOC

16





## Commercial Demand Conservation Program Customer Agreement

1. **Program Description.** Customers who participate in the LG&E and KU Commercial Demand Conservation Program help reduce peak demand when energy use is the highest and maintain a ready supply of energy for our expanding communities. This may include curtailing their individual energy load by reducing usage marginally throughout their facility during designated periods of time. The program is offered to LG&E and KU commercial customers who have interval meters with an energy demand greater than 200 kilowatts. Participants will receive monetary incentives after the load control season is complete, and the incentives will vary based on actual energy reductions and the frequency of load control events.
2. **Program Rules.** The terms of this Agreement reflect the current Commercial Demand Conservation Program terms and conditions, which may be amended from time to time by LG&E and KU. The current terms are summarized below:

<i>Program Availability</i>	During the program period from June 1 – September 30 ("Program Period"), Demand Response events may be called Monday – Friday from 2:00 p.m. to 6:00 p.m. (Eastern Standard Time.)
<i>Event Trigger</i>	Demand Response events may occur up to 20 times per year, 1 time per day, not to exceed an aggregate of 80 hours annually (the "Maximum Hours") during the Program Period to help reduce LG&E and KU's peak demand.
<i>Advanced Notification</i>	Customers will receive notice at least 60 minutes in advance of a Demand Response event.
<i>Demand Response</i>	A 50 kilowatt minimum of automated or nominated load reduction

3. **Payments.** The customer agrees to use commercially reasonable efforts to generate and/or automate their energy demand reduction to achieve the Accepted Capacity during the Expected Hours. A capacity payment of \$25 per kilowatt-year (kW-year) of energy reduction in connection with the customer's Delivered Capacity during a Demand Response Event.
  - a. "Accepted Capacity" shall represent the best estimate of the customer's expected automated curtailment during Demand Response events based on analysis-of-consumption data and pre-enrollment testing.
  - b. "Expected Hours" shall represent up to 80 hours annually of Demand Response event hours. The customer is expected to respond during the Program Period.
  - c. "Delivered Capacity" will be the customer's calculated performance during each Demand Response event with respect to the Program baseline, as measured by the EnerNOC Site Server and subject to LG&E and KU approval.
4. **Payment Timing.** LG&E and KU shall make all payments associated with the customer's participation in the Commercial Demand Conservation Program after the Program Period is over and the Delivered Capacity has been verified.
5. **Additional Requirements:** Refer to EnerNOC's Demand Response Administrative Agreement.

\_\_\_\_\_  
Name

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date



**KENTUCKY-AMERICAN WATER COMPANY**  
**CASE NO. 2012-00520**  
**ATTORNEY GENERAL'S FIRST REQUEST FOR INFORMATION**

---

**Witness:**     **Linda C. Bridwell**

**164.** RR - In reference to AWWSC cost, does AWWSC charge any costs to unregulated operations? If so, please identify the process in detail. If not, please explain in detail.

**Response:**

Yes, AWWSC charges costs to unregulated operations. Please refer to the response for Item 89 of this same data request.

**KENTUCKY-AMERICAN WATER COMPANY**  
**CASE NO. 2012-00520**  
**ATTORNEY GENERAL'S FIRST REQUEST FOR INFORMATION**

---

**Witness:**     **Linda C. Bridwell**

**165.**   RR - Does AWW have an affiliate that provides contract utility services for customers? If yes, how many customers does the affiliate presently serve? Are any of AWWSC costs assigned to these contract services? Explain the process in detail.

**Response:**

Yes, An American Water subsidiary, American Water Enterprises (AWE), provides utility services on a contract basis to approximately 60 customers. Please refer to the Company's response to Item 89 of this same data request for a description of the methodology and allocation process for AWWSC to charge costs to AWE.

**KENTUCKY-AMERICAN WATER COMPANY**  
**CASE NO. 2012-00520**  
**ATTORNEY GENERAL'S FIRST REQUEST FOR INFORMATION**

---

**Witness:**     **Linda C. Bridwell**

**166.** RR - Does AWW provide unregulated services? If yes, please describe in detail all services provided and how AWWSC costs are allocated to the unregulated service function.

**Response:**

Yes, American Water provides services that are not subject to economic regulation by state public utility commissions through Market Based Businesses. Market Based Businesses include:

Contract Operations Group - Enters into public/private partnerships, including O&M and Design, Build and Operate ("DBO") contracts for the provision of services to water and waste water facilities for the United States military, municipalities, the food and beverage industry and other customers

Homeowner Services Group - Through Service Line Protection Program, provides services to certain customers to protect against the cost of repairing broken or leaking water pipes and clogged or blocked sewer pipes inside and outside their accommodations.

Terratec Environmental Ltd. - Market based Operations which is located in Canada and provides environmentally sustainable management and disposal of bio-solids and wastewater by-products.

Please refer to the response of Item 89 of this same data request for how AWWSC costs are allocated to the unregulated service function.

**KENTUCKY-AMERICAN WATER COMPANY**  
**CASE NO. 2012-00520**  
**ATTORNEY GENERAL'S FIRST REQUEST FOR INFORMATION**

---

**Witness:**     **Scott W. Rungren**

- 167.** RR - For each uncertain tax position recognized in the balance of accumulated deferred income taxes (ADIT) by KAWC (and/or allocated to KAWC by its parent company), according to FIN 48, please provide the following:
- a.     A detailed description of each position taken,
  - b.     The amount reflected in the ADIT balance in the current rate case and a historical recap of the amount of any adjustment made to the ADIT balance, the account(s) charged and the date of the adjustment,
  - c.     The Company's most current assessment of the eventual outcome of the position and the estimated date of resolution,
  - d.     The portion of the ADIT balance for NOL that is the result of calculating income taxes based on uncertain tax positions,
  - e.     The docket number and a copy of the section of any Kentucky Commission Order that addresses the regulatory treatment of FIN 48 adjustments, and
  - f.     All documentation and calculations supporting NWE's response.

**Response:**

- a.     FIN 48 is not allocated to KAWC. It is specifically related to KAWC. The uncertain tax position recognized in the balance of ADIT by KAWC is related to the method of calculating the repairs deduction.
- b.     The amount reflected in the rate case deferred taxes for the forecast year ending July 2014 is \$3,922,247. As of 12/31/2012, the G/L balance of FIN 48 in deferred taxes is \$2,757,147.
- c.     The resolution date is unknown at this time. Regarding repairs, the resolution will come through guidance provided by the IRS or under audit of the applicable tax years for this issue.
- d.     As of 12/31/2012, the piece of the FIN 48 in deferred taxes related to NOL is (\$288,873).
- e.     KAWC Case No. 2010-00036. Research has not been performed by KAWC to locate any KY Commission Orders related to FIN 48, other than for KAWC.

- f. It is unclear what “NWE’s response” is. It is assumed that AWW calculations are being requested, therefore, for the balance as of 12/31/2012, please see attached – FIN 48 Calculations. For 2013 and July 2014 balances, please see KAWC’s supporting income tax workpapers attached in KAW\_R\_PSCSR1\_NUM03\_012313\_WP-6, pages 33-36 of 48. See also excel file “KY Tax Depreciation 2012-2014” tab Linkin (lines 106-113).

**KENTUCKY-AMERICAN WATER COMPANY**  
**CASE NO. 2012-00520**  
**ATTORNEY GENERAL'S FIRST REQUEST FOR INFORMATION**

---

**Witness:**     **Gary M. VerDouw**

- 168.** RR - Please provide the following regarding KAWC's inclusion of Business Transformation (BT) costs in the cost of service in this case.
- a. Provide any available updates of the amounts, in as much detail as available, for all BT costs.
  - b. Provide the most current expected implementation date for each BT system for KAWC.
  - c. Provide a detailed narrative explanation of how the BT project was developed and how it is expected to be implemented throughout the KAWC and AWW system. Include as part of the answer a description and copy of the AWW and any subsidiaries inter-company contracts, leases and other transactions/business arrangements that exist as part of the ownership, development and implementation of BT.

**Response:**

- a. There is no update of the amount for BT costs.
- b. The Enterprise Resource Planning system was implemented in August 2012. The anticipated implementation date for the Enterprise Asset Management and Customer Information System is May 2013.
- c. The American Water Information Technology Infrastructure Comprehensive Planning Study Report is attached. The Report contains confidential information. Therefore, the Company has filed a Petition for Confidential Treatment contemporaneously with these responses. The Company will provide copies of the requested documents to all parties in this case upon execution of an appropriate confidentiality agreement.

The Kentucky American Water agreement with American Water Service Company is provided in response to Item 32 of the Commission Staff's First Request for Information. Please refer to the response to Item 68 and Item 69 of the Commission's Second Request for Information for copies of the arrangements that exist as part of ownership, development and implementation of BT.

This entire attachment is confidential and has been provided under seal pursuant to a Petition for Confidential Treatment.

**KENTUCKY-AMERICAN WATER COMPANY**  
**CASE NO. 2012-00520**  
**ATTORNEY GENERAL'S FIRST REQUEST FOR INFORMATION**

---

**Witness:** Gary M. VerDouw

- 169.** RR - Please provide the following regarding the information technology conversion through the Business Transformation Project. For any cost items, provide by internal and external cost components, in as much detail as available.
- a. Total expected cost incurred by year through completion.
  - b. Cost incurred to date by year.
  - c. Cost included in the 12 months ending 3/31/13 base year and 7/31/14 forecast year.
  - d. Explain how these costs are being recorded and the accounts charged?
  - e. Quantification of the estimated savings/benefits and timetable for realization.
  - f. Identify in a. through d. the amount of cost directly charged by KAWC and charged/allocated from the AWWSC.
  - g. Explain the method and rationale for the Business Transformation Project costs charged/allocated to KAWC by the AWWSC.
  - h. Are the Business Transformation Project costs being charged to all AWW entities, regulated and non-regulated, and explain the answer to this response?
  - i. Provide all the documentation supporting the response to this data request. If any of calculations provided in response to this data request were prepared using spreadsheets, please provide the spreadsheets, in original working format with all formulas intact.
  - j. Explain how these costs were addressed in the Company's most recent previous rate case.

**Response:**

- a. The total expected cost incurred by year through completion for the Business Transformation Project are detailed in the attachment, pages 1-9.



- b. The costs incurred to date through December 31, 2012 for the Business Transformation Project are detailed in the attachment, page 10.
- c. The cost for the 12 months ending 3/31/13 (actuals from April through December 2012 and budget January through March 2013) along with the budget for August 2013 through July 2013 are included on page 11 and the current estimates for the project are on page 12 of the attachment.
- d. The costs of BT are being allocated to KAWC (and each of the KAWC's regulated utility affiliates) based on the percentage of their customer counts to the overall regulated utility customer count of American Water, as provided for in the Service Company Agreement. KAWC posts its BT costs to its Construction Work In Process (CWIP) account #10700000. When the assets are completed they then transfer to Utility Plant In Services (UPIS account # 10134010) where the asset will remain until it has fully depreciated.
- e. While KAWC customers will benefit from efficiencies and benefits of the Business Transformation program, American Water and KAWC are unable to confirm at this time the amount and timing of benefits that may be realized as a result of BT. However, as quantifiable benefits are realized, those benefits will accrue over time and, all other things being equal, mitigate future O&M increases once employees are fully trained on the systems and the systems are in place and fully functioning.
- f. For items a. through d., the item that has costs directly charged by KAWC is as follows: Part b: \$19,085 breakdown by year of 2011 \$2,326 and 2012 \$16,759. Since the numbers in part b round to the nearest hundred thousand, these dollars would get lost in the rounding in the attachment pages for part b. Part c: information is included in page 13 of the attachment.
- g. Certain BT costs are directly charged to KAWC (as described in part f. above) or allocated to KAWC based on the percentage of KAWC's customer count to the overall regulated utility customer count of American Water, as provided for in the Service Company Agreement.
- h. The BT systems are designed for AW regulated utilities and the project scope does not include the technology or process needs of American Water's non-regulated (or market-based) business conducted through American Water Enterprises. The Company's market-based business will access two aspects of the new BT systems: (1) Success Factors (branded internally as *myCareer* Solutions) and (2) a portion of the SAP CIS (Customer Information System) module. As explained more fully below, certain BT implementation costs have been and will be directly charged to the Company's market-based affiliates and, in other circumstances, will be credited to the Company and its regulated utility affiliates through a reduction in BT implementation costs. As also explained below, certain

ongoing subscription and maintenance costs will be charged to market-based affiliates, with a corresponding reduction in Service Company fees.

### **Success Factors (branded within American Water as *myCareer Solutions*)**

The Company's market-based affiliates will be active users of *myCareer Solutions*, and a portion of this application will be assigned to the Company's market based affiliates based on the proportionate share of the market-based companies' employee count (12%) to the regulated utility companies' employee count (88%). It is anticipated that the cost of developing *myCareer Solutions* will have totaled approximately \$2.1 million dollars when it goes into service in August 2012. Approximately 12% of the development costs to the Company and its regulated utility company affiliates *myCareer Solutions* will be removed from regulated utility companies' CWIP balances and aggregated back to American Water Works Service Company. The sum of these removed expenditures (currently estimated to be \$252,000) will then be directly charged to the Company's market-based affiliates. In addition, the Company's market based affiliates already have been directly billed approximately \$10,000 in development costs by the outside vendor (Success Factors) to create an additional compensation template.

Finally, it is anticipated that this same assignment methodology (proportionate share of the market-based companies' employee count to the regulated utility companies' employee count) will be used to charge a percentage (approx. 12%) of the ongoing subscription fees and maintenance cost for *myCareer Solutions* to the Company's market-based affiliates. The most recent estimate of the ongoing subscription fees and maintenance costs that would be charged to the Company's market-based affiliates is \$32,000 annually.

### **SAP CIS (Customer Information System)**

The Company's market-based affiliates have been directly billed approximately \$1,116,783 by an outside vendor (Accenture) to modify SAP CIS to enable the Company's market-based affiliates to continue the placement of its protection plan services charge on some of the regulated utility companies' billing statements once a transition to SAP CIS has taken place.

In addition, it is anticipated that a portion of the ongoing maintenance costs for SAP's CR&B system will be allocated to the Company's market-based affiliates based on the proportionate share of the market-based companies' premises included on the SAP CR&B system (approximately 10%) to regulated utility companies' customer count (approximately 90%). The most recent estimate of the ongoing annual support and maintenance costs that would be allocated to the Company's market-based affiliates is \$270,000 annually.

- i. See attached.

- j. KAWC's BT costs were included in the Company's last rate case consistent with the Company's response to d. above.



	Year					
	2009 (Actual)	2010 (Actual)	2011 (Budget)	2012 (Budget)	2013 (Budget)	2014 (Budget)
<b>ERP</b>						
<b>Labor</b>						
Internal - Business	\$20,738,472	\$0	\$1,779,595	\$7,596,545	\$10,261,638	\$1,100,694
Internal - ITS	\$8,372,198	\$0	\$300,000	\$4,308,092	\$3,698,463	\$65,643
External - Support	\$53,919,669	\$0	\$1,828,042	\$29,851,987	\$22,108,378	\$131,263
External - Other	\$3,483,982	\$0	\$272,688	\$2,140,627	\$1,070,667	\$0
<b>Labor Subtotal</b>	<b>\$86,514,321</b>	<b>\$0</b>	<b>\$4,180,325</b>	<b>\$43,897,251</b>	<b>\$37,139,146</b>	<b>\$1,297,599</b>
Employee Expenses	\$5,580,112	\$0	\$481,303	\$1,524,084	\$3,197,971	\$376,754
Hardware	\$6,872,256	\$0	\$0	\$4,515,841	\$2,356,414	\$0
Software	\$10,637,604	\$0	\$5,223,787	\$4,841,767	\$572,050	\$0
Program Operations	\$569,952	\$0	\$282,646	\$224,306	\$63,000	\$0
CPS	\$3,216,567	\$2,908,464	\$308,103	\$0	\$0	\$0
Contingency	\$7,227,333	\$0	\$0	\$2,121,800	\$4,398,266	\$707,267
	<b>\$120,618,144</b>	<b>\$2,908,464</b>	<b>\$10,476,164</b>	<b>\$57,125,050</b>	<b>\$47,726,846</b>	<b>\$2,381,620</b>
<b>Other</b>						
AFUDC - BT	\$6,044,224	\$63,687	\$387,370	\$1,993,194	\$3,599,973	\$0
<b>Total BT</b>	<b>\$126,662,368</b>	<b>\$2,972,151</b>	<b>\$10,863,534</b>	<b>\$59,118,244</b>	<b>\$51,326,819</b>	<b>\$2,381,620</b>
BT Controls/OI	\$9,255,438	\$0	\$0	\$4,180,693	\$4,890,002	\$184,744
BT Controls/OI AFUDC	\$320,058	\$0	\$0	\$35,320	\$284,739	\$0
<b>Total BT Controls/OI</b>	<b>\$9,575,497</b>	<b>\$0</b>	<b>\$0</b>	<b>\$4,216,012</b>	<b>\$5,174,741</b>	<b>\$184,744</b>
<b>Total</b>	<b>\$136,237,865</b>	<b>\$2,972,151</b>	<b>\$10,863,534</b>	<b>\$63,334,257</b>	<b>\$56,501,560</b>	<b>\$2,566,364</b>
<b>Applicable State % (Kentucky)</b>						
Applicable State % (Kentucky)	3.58	3.59	3.89	3.85	3.85	3.85
<b>Applicable State \$(Kentucky)</b>	<b>\$5,234,222</b>	<b>\$106,403</b>	<b>\$390,001</b>	<b>\$2,463,703</b>	<b>\$2,175,310</b>	<b>\$98,805</b>

	Year					
	2009 (Actual)	2010(Actual)	2011(Budget)	2012(Budget)	2013(Budget)	2014 (Budget)
<b>CIS</b>						
<b>Labor</b>						
Internal - Business	\$13,885,390	\$789,479	\$3,039,145	\$4,731,483	\$4,411,650	\$913,633
Internal - ITS	\$5,982,068	\$150,000	\$1,253,409	\$2,044,409	\$2,534,249	\$0
External - Support	\$29,749,274	\$0	\$1,185,034	\$12,432,345	\$10,617,388	\$0
External - Other	\$1,936,940	\$0	\$136,843	\$1,249,930	\$508,167	\$0
<b>Labor Subtotal</b>	<b>\$51,553,671</b>	<b>\$2,261,356</b>	<b>\$17,974,829</b>	<b>\$17,901,447</b>	<b>\$12,502,407</b>	<b>\$913,633</b>
Employee Expenses	\$5,854,349	\$217,138	\$1,076,694	\$2,236,006	\$2,216,046	\$108,465
Hardware	\$4,974,524	\$0	\$3,401,413	\$1,295,614	\$277,496	\$0
Software	\$9,546,212	\$0	\$5,909,753	\$1,178,250	\$508,300	\$0
Program Operations	\$343,931	\$140,797	\$89,134	\$35,700	\$78,300	\$0
CPS	\$1,583,469	\$154,050	\$0	\$0	\$0	\$0
Contingency	\$3,536,334	\$0	\$642,970	\$1,285,940	\$1,285,940	\$321,485
<b>Other</b>	<b>\$77,392,489</b>	<b>\$1,429,419</b>	<b>\$8,683,094</b>	<b>\$25,134,948</b>	<b>\$16,868,488</b>	<b>\$1,343,583</b>
AFUDC - BT	\$8,176,414	\$31,844	\$317,787	\$3,029,947	\$3,562,181	\$0
<b>Total BT</b>	<b>\$85,568,904</b>	<b>\$1,461,263</b>	<b>\$9,000,881</b>	<b>\$26,962,905</b>	<b>\$20,430,669</b>	<b>\$1,343,583</b>
BT Controls/OI	\$5,012,640	\$0	\$2,337,038	\$2,444,672	\$230,930	\$0
BT Controls/OI AFUDC	\$536,107	\$0	\$23,574	\$249,951	\$262,583	\$0
<b>Total BT Controls/OI</b>	<b>\$5,548,747</b>	<b>\$0</b>	<b>\$2,360,612</b>	<b>\$2,694,623</b>	<b>\$493,512</b>	<b>\$0</b>
<b>Total</b>	<b>\$91,117,651</b>	<b>\$1,461,263</b>	<b>\$9,000,881</b>	<b>\$29,657,528</b>	<b>\$20,924,182</b>	<b>\$1,343,583</b>
Applicable State % (Kentucky)	3.58	3.59	3.89	3.85	3.85	3.85
Appl.State \$(Kentucky)	\$3,492,174	\$323,132	\$1,117,605	\$1,141,815	\$805,581	\$51,728

	Year					
	2009 (Actual)	2010(Actual)	2011(Budget)	2012(Budget)	2013(Budget)	2014 (Budget)
<b>Total</b>						
<b>Labor</b>						
Internal - Business	\$9,887,804	\$638,190	\$2,420,694	\$2,789,302	\$3,312,081	\$527,538
Internal - ITS	\$5,939,929	\$150,000	\$1,650,771	\$2,117,771	\$2,021,387	\$0
External - Support	\$25,736,020	\$1,571,510	\$11,810,059	\$8,655,937	\$3,698,514	\$0
External - Other	\$1,902,740	\$136,843	\$1,055,730	\$572,167	\$138,000	\$0
<b>Labor Subtotal</b>	<b>\$43,466,493</b>	<b>\$2,696,543</b>	<b>\$16,937,254</b>	<b>\$14,135,176</b>	<b>\$9,169,982</b>	<b>\$527,538</b>
Employee Expenses	\$3,766,789	\$267,234	\$684,715	\$1,185,014	\$1,584,110	\$45,716
Hardware	\$6,116,028	\$0	\$3,142,913	\$1,762,282	\$1,210,832	\$0
Software	\$8,085,160	\$4,778,431	\$1,994,260	\$914,469	\$398,000	\$0
Program Operations	\$347,478	\$139,261	\$94,217	\$35,700	\$78,300	\$0
CPS	\$1,541,266	\$154,050	\$0	\$0	\$0	\$0
Contingency	\$3,536,334	\$0	\$642,970	\$1,285,940	\$1,285,940	\$321,485
	<b>\$66,859,547</b>	<b>\$8,035,519</b>	<b>\$23,496,329</b>	<b>\$19,318,581</b>	<b>\$13,727,163</b>	<b>\$894,739</b>
<b>Other</b>						
AFUDC - BT	\$6,017,611	\$288,231	\$893,504	\$2,178,040	\$2,625,992	\$0
<b>Total BT</b>	<b>\$72,877,158</b>	<b>\$1,419,060</b>	<b>\$24,389,834</b>	<b>\$21,496,620</b>	<b>\$16,353,155</b>	<b>\$894,739</b>
BT Controls/OI	\$4,077,539	\$0	\$1,843,656	\$2,095,324	\$138,559	\$0
BT Controls/OI AFUDC	\$433,569	\$0	\$11,773	\$208,097	\$213,698	\$0
<b>Total BT Controls/OI</b>	<b>\$4,511,107</b>	<b>\$0</b>	<b>\$1,855,429</b>	<b>\$2,303,421</b>	<b>\$352,257</b>	<b>\$0</b>
<b>Total</b>	<b>\$77,388,265</b>	<b>\$8,323,750</b>	<b>\$26,245,263</b>	<b>\$23,800,042</b>	<b>\$16,705,412</b>	<b>\$894,739</b>
Applicable State % (Kentucky)	3.58	3.59	3.89	3.85	3.85	3.85
Appl.State \$(Kentucky)	\$50,802	\$298,823	\$1,020,941	\$916,302	\$643,158	\$34,447

	Year					
	2009 (Actual)	2010(Actual)	2011(Budget)	2012(Budget)	2013(Budget)	2014 (Budget)
<b>PMO</b>						
<b>Labor</b>						
Internal - Business	\$5,705,836	\$0	\$1,167,000	\$2,045,580	\$1,987,596	\$505,659
Internal - ITS	\$1,648,295	\$0	\$385,000	\$679,800	\$583,495	\$0
External - Support	\$672,000	\$0	\$134,400	\$322,560	\$215,040	\$0
External - Other	\$249,300	\$0	\$123,300	\$94,800	\$27,300	\$3,900
<b>Labor Subtotal</b>	<b>\$8,275,431</b>	<b>\$0</b>	<b>\$1,809,700</b>	<b>\$3,142,740</b>	<b>\$2,813,431</b>	<b>\$509,559</b>
Employee Expenses	\$3,796,491	\$0	\$219,198	\$318,137	\$3,223,567	\$35,589
Hardware	\$218,250	\$0	\$212,100	\$3,600	\$2,100	\$450
Software	\$511,900	\$0	\$464,200	\$47,700	\$0	\$0
Program Operations	\$2,735,300	\$0	\$602,640	\$1,038,240	\$886,670	\$207,750
CPS	\$0	\$0	\$0	\$0	\$0	\$0
Contingency	\$0	\$0	\$0	\$0	\$0	\$0
<b>Other</b>						
AFUDC - BT	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total BT</b>	<b>\$15,537,371</b>	<b>\$0</b>	<b>\$3,307,838</b>	<b>\$4,550,417</b>	<b>\$6,925,768</b>	<b>\$753,348</b>
BT Controls/OI	\$0	\$0	\$0	\$0	\$0	\$0
BT Controls/OI AFUDC	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total BT Controls/OI</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total</b>	<b>\$15,537,371</b>	<b>\$0</b>	<b>\$3,307,838</b>	<b>\$4,550,417</b>	<b>\$6,925,768</b>	<b>\$753,348</b>
<b>Applicable State % (Kentucky)</b>	<b>3.58</b>	<b>3.59</b>	<b>3.89</b>	<b>3.85</b>	<b>3.85</b>	<b>3.85</b>
<b>Appl.State \$(Kentucky)</b>	<b>\$599,512</b>	<b>\$0</b>	<b>\$128,675</b>	<b>\$175,191</b>	<b>\$266,642</b>	<b>\$29,004</b>



	Budget by Year						
	Total	2009 (Actual)	2010 (Actual)	2011 (Budget)	2012 (Budget)	2013 (Budget)	2014 (Budget)
<b>ERP</b>							
<b>Labor</b>							
Internal - Business	\$20.8	-	\$1.8	\$7.6	\$10.3	\$1.1	\$1.1
Internal - ITS	\$8.4	-	\$0.3	\$4.3	\$3.7	\$0.1	\$0.1
External - Support	\$53.9	-	\$1.8	\$29.9	\$22.1	\$0.1	\$0.1
External - Other	\$3.5	-	\$0.3	\$2.1	\$1.1	-	-
<b>Labor Subtotal</b>	<b>\$86.6</b>	-	<b>\$4.2</b>	<b>\$43.9</b>	<b>\$37.2</b>	<b>\$1.3</b>	<b>\$1.3</b>
Employee Expenses	\$5.6	-	\$0.5	\$1.5	\$3.2	\$0.4	\$0.4
Hardware	\$6.9	-	-	\$4.5	\$2.4	-	-
Software	\$10.6	-	\$5.2	\$4.8	\$0.6	-	-
Program Operations	\$0.6	-	\$0.3	\$0.2	\$0.1	-	-
CPS	\$3.2	\$2.9	\$0.3	-	-	-	-
Contingency	\$7.2	-	-	\$2.1	\$4.4	\$0.7	\$0.7
<b>Other</b>	<b>\$120.7</b>	<b>\$2.9</b>	<b>\$10.5</b>	<b>\$57.0</b>	<b>\$47.9</b>	<b>\$2.4</b>	<b>\$2.4</b>
AFUDC - BT	\$6.1	\$0.1	\$0.4	\$2.0	\$3.6	-	-
<b>Total BT</b>	<b>\$126.8</b>	<b>\$3.0</b>	<b>\$10.9</b>	<b>\$59.0</b>	<b>\$51.5</b>	<b>\$2.4</b>	<b>\$2.4</b>
BT Controls/OI	\$9.3	-	-	\$4.2	\$4.9	\$0.2	\$0.2
BT Controls/OI AFUDC	\$0.3	-	-	-	\$0.3	-	-
<b>Total BT Controls/OI</b>	<b>\$9.6</b>	<b>-</b>	<b>-</b>	<b>\$4.2</b>	<b>\$5.2</b>	<b>\$0.2</b>	<b>\$0.2</b>
<b>Total</b>	<b>\$136.4</b>	<b>\$3.0</b>	<b>\$10.9</b>	<b>\$63.2</b>	<b>\$56.7</b>	<b>\$2.6</b>	<b>\$2.6</b>
Applicable State %							



	Budget by Year						
	Total	2009 (Actual)	2010(Actual)	2011(Budget)	2012(Budget)	2013(Budget)	2014 (Budget)
<b>Labor</b>							
Internal - Business	\$13.8	-	\$0.8	\$3.0	\$4.7	\$4.4	\$0.9
Internal - ITS	\$6.0	-	\$0.2	\$1.3	\$2.0	\$2.5	-
External - Support	\$29.7	-	\$1.2	\$12.4	\$10.6	\$5.5	-
External - Other	\$1.8	-	\$0.1	\$1.2	\$0.5	-	-
<b>Labor Subtotal</b>	<b>\$51.3</b>	<b>-</b>	<b>\$2.3</b>	<b>\$17.9</b>	<b>\$17.8</b>	<b>\$12.4</b>	<b>\$0.9</b>
Employee Expenses	\$5.8	-	\$0.2	\$1.1	\$2.2	\$2.2	\$0.1
Hardware	\$5.0	-	-	\$3.4	\$1.3	\$0.3	-
Software	\$9.5	-	\$5.9	\$1.9	\$1.2	\$0.5	-
Program Operations	\$0.3	-	\$0.1	\$0.1	-	\$0.1	-
CPS	\$1.6	\$1.4	\$0.2	-	-	-	-
Contingency	\$3.5	-	-	\$0.6	\$1.3	\$1.3	\$0.3
<b>Other</b>	<b>\$77.0</b>	<b>\$1.4</b>	<b>\$8.7</b>	<b>\$25.0</b>	<b>\$23.8</b>	<b>\$16.8</b>	<b>\$1.3</b>
AFUDC - BT	\$8.1	-	\$0.3	\$1.2	\$3.0	\$3.6	-
<b>Total BT</b>	<b>\$85.1</b>	<b>\$1.4</b>	<b>\$9.0</b>	<b>\$26.2</b>	<b>\$26.8</b>	<b>\$20.4</b>	<b>\$1.3</b>
BT Controls/OI	\$4.9	-	-	\$2.3	\$2.4	\$0.2	-
BT Controls/OI AFUDC	\$0.5	-	-	-	\$0.2	\$0.3	-
<b>Total BT Controls/OI</b>	<b>\$5.4</b>	<b>-</b>	<b>-</b>	<b>\$2.3</b>	<b>\$2.6</b>	<b>\$0.5</b>	<b>-</b>
<b>Total</b>	<b>\$90.5</b>	<b>\$1.4</b>	<b>\$9.0</b>	<b>\$28.5</b>	<b>\$29.4</b>	<b>\$20.9</b>	<b>\$1.3</b>
Applicable State %							



EAM	Budget by Year						
	Total	2009 (Actual)	2010(Actual)	2011(Budget)	2012(Budget)	2013(Budget)	2014 (Budget)
<b>Labor</b>							
Internal - Business	\$9.8	-	\$0.8	\$2.4	\$2.8	\$3.3	\$0.5
Internal - ITS	\$6.0	-	\$0.2	\$1.7	\$2.1	\$2.0	-
External - Support	\$25.8	-	\$1.6	\$11.8	\$8.7	\$3.7	-
External - Other	\$1.9	-	\$0.1	\$1.1	\$0.6	\$0.1	-
<b>Labor Subtotal</b>	<b>\$43.5</b>	-	<b>\$2.7</b>	<b>\$17.0</b>	<b>\$14.2</b>	<b>\$9.1</b>	<b>\$0.5</b>
Employee Expenses	\$3.8	-	\$0.3	\$0.7	\$1.2	\$1.6	-
Hardware	\$6.1	-	-	\$3.1	\$1.8	\$1.2	-
Software	\$8.1	-	\$4.8	\$2.0	\$0.9	\$0.4	-
Program Operations	\$0.3	-	\$0.1	\$0.1	-	\$0.1	-
CPS	\$1.6	\$1.4	\$0.2	-	-	-	-
Contingency	\$3.5	-	-	\$0.6	\$1.3	\$1.3	\$0.3
<b>Other</b>	<b>\$66.9</b>	<b>\$1.4</b>	<b>\$8.1</b>	<b>\$23.5</b>	<b>\$19.4</b>	<b>\$13.7</b>	<b>\$0.8</b>
AFUDC - BT	\$6.0	-	\$0.3	\$0.9	\$2.2	\$2.6	-
<b>Total BT</b>	<b>\$72.9</b>	<b>\$1.4</b>	<b>\$8.4</b>	<b>\$24.4</b>	<b>\$21.6</b>	<b>\$16.3</b>	<b>\$0.8</b>
BT Controls/OI	\$4.0	-	-	\$1.8	\$2.1	\$0.1	-
BT Controls/OI AFUDC	\$0.4	-	-	-	\$0.2	\$0.2	-
<b>Total BT Controls/OI</b>	<b>\$4.4</b>	-	-	<b>\$1.8</b>	<b>\$2.3</b>	<b>\$0.3</b>	-
<b>Total</b>	<b>\$77.3</b>	<b>\$1.4</b>	<b>\$8.4</b>	<b>\$26.2</b>	<b>\$23.9</b>	<b>\$16.6</b>	<b>\$0.8</b>
Applicable State %							



PMO	Budget by Year						
	Total	2009 (Actual)	2010 (Actual)	2011 (Budget)	2012 (Budget)	2013 (Budget)	2014 (Budget)
<b>Labor</b>							
Internal - Business	\$5.7	-	-	\$1.2	\$2.0	\$2.0	\$0.5
Internal - ITS	\$1.7	-	-	\$0.4	\$0.7	\$0.6	-
External - Support	\$0.6	-	-	\$0.1	\$0.3	\$0.2	-
External - Other	\$0.2	-	-	\$0.1	\$0.1	-	-
<b>Labor Subtotal</b>	<b>\$8.2</b>	-	-	<b>\$1.8</b>	<b>\$3.1</b>	<b>\$2.8</b>	<b>\$0.5</b>
Employee Expenses	\$3.7	-	-	\$0.2	\$0.3	\$3.2	-
Hardware	\$0.2	-	-	\$0.2	-	-	-
Software	\$0.5	-	-	\$0.5	-	-	-
Program Operations	\$2.7	-	-	\$0.6	\$1.0	\$0.9	\$0.2
CPS	-	-	-	-	-	-	-
Contingency	-	-	-	-	-	-	-
<b>Other</b>	<b>\$15.3</b>	-	-	<b>\$3.3</b>	<b>\$4.4</b>	<b>\$6.9</b>	<b>\$0.7</b>
AFUDC - BT	-	-	-	-	-	-	-
<b>Total BT</b>	<b>\$15.3</b>	-	-	<b>\$3.3</b>	<b>\$4.4</b>	<b>\$6.9</b>	<b>\$0.7</b>
BT Controls/OI	-	-	-	-	-	-	-
BT Controls/OI AFUDC	-	-	-	-	-	-	-
<b>Total BT Controls/OI</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Total</b>	<b>\$15.3</b>	-	-	<b>\$3.3</b>	<b>\$4.4</b>	<b>\$6.9</b>	<b>\$0.7</b>
Applicable State %							

Business Transformation  
 Costs For The Forty Eight Months Ending December 31, 2012  
 Kentucky-American Water  
 CASE NO. 2012-00520  
 169. b

Line Number	Description	Inception to Dec-12 Total	Actual 2009	Actual 2010	Actual 2011	Actual 2012
1	Labor					
2	Internal-Business	\$36.0	\$0.0	\$3.4	\$13.0	\$19.6
3	Internal-ITS	8.8	0.0	0.6	3.7	4.5
4	External-Support	112.1	0.0	4.5	55.1	52.5
5	External-Other	4.8	0.0	0.5	2.4	1.9
6	<b>Labor Subtotal (Total of Lines 2-5)</b>	<b>\$161.7</b>	<b>\$0.0</b>	<b>\$9.0</b>	<b>\$74.2</b>	<b>\$78.5</b>
7	Employee Expenses	\$8.6	\$0.0	\$1.0	\$2.0	\$5.6
8	Hardware	12.7	0.0	0.0	6.5	6.2
9	Software	28.1	0.0	16.0	8.5	3.6
10	Program Operations	2.9	0.0	0.6	0.9	1.4
11	Comprehensive Planning Study	6.3	5.7	0.6	0.0	0.0
12	Contingency	0.0	0.0	0.0	0.0	0.0
13	<b>BT Subtotal (Line 6. + Lines 7. -12)</b>	<b>\$220.3</b>	<b>\$5.7</b>	<b>\$27.2</b>	<b>\$92.1</b>	<b>\$95.3</b>
14	<b>Other</b>					
15	AFUDC-BT	\$12.4	\$0.2	\$1.0	\$4.0	\$7.2
16	<b>Total BT (Line 13. + Line 15.)</b>	<b>232.7</b>	<b>5.9</b>	<b>28.2</b>	<b>96.1</b>	<b>102.5</b>
17	BT Controls/Organizational Integration	\$21.4	\$0.0	\$0.0	\$7.7	\$13.7
18	BT Controls/ Organizational Intergration-AFUDC	\$0.6	\$0.0	\$0.0	\$0.0	\$0.6
19	<b>Total BT Controls/Organizational Intergration (Line 17. + Line 18.)</b>	<b>\$22.0</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$7.7</b>	<b>\$14.3</b>
20	<b>BT For the Forty Eight Months Ending December 31, 2012 (Line 16 + Line 19.)</b>	<b>\$254.7</b>	<b>\$5.9</b>	<b>\$28.2</b>	<b>\$103.8</b>	<b>\$116.8</b>

Business Transformation  
 Kentucky-American Water  
 CASE NO. 2012-00520  
 169. c

Month	Actual April-12	Actual May-12	Actual June-12	Actual July-12	Actual August-12	Actual September-12	Actual October-12	Actual November-12	Actual December-12	Budget January-13	Budget February-13	Budget March-13	Total
Cost	11,874,720	12,681,623	8,430,432	7,340,949	8,340,379	8,421,163	6,161,715	5,840,026	8,739,566	7,121,414	7,983,949	4,552,042	97,487,978

Month	Budget August-13	Budget September-13	Budget October-13	Budget November-13	Budget December-13	Budget January-14	Budget February-14	Budget March-14	Budget April-14	Budget May-14	Budget June-14	Budget July-14	Total
Cost	3,553,952	3,415,772	3,329,522	1,714,997	1,679,829	1,015,007	989,307	987,357	0	0	0	0	16,685,743



# December 2012 YTD & PTD Summary

## Steering Committee Summary

*In millions*

	Year-to-Date			Project-to-Date			Total			Factors	
	Budget	Actuals	Variance %	Budget	Actuals	Variance %	Total Budget	Best Estimate	Variance	High Estimate	Low Estimate
<b>Labor</b>											
Internal	\$28.4	\$24.1	\$4.3 15% ①	\$54.2	\$44.9	\$9.3 17%	\$72.2	\$77.9	(\$5.7)	\$78.5	\$77.7
External	\$44.0	\$54.4	(\$10.4) -24% ②	\$107.9	\$117.0	(\$9.1) -8%	\$117.6	\$119.0	(\$1.4)	\$119.9	\$117.4
<b>Labor Subtotal</b>	<b>\$72.4</b>	<b>\$78.5</b>	<b>(\$6.1) -8%</b>	<b>\$162.1</b>	<b>\$161.9</b>	<b>\$0.2 0%</b>	<b>\$189.8</b>	<b>\$196.9</b>	<b>(\$7.1)</b>	<b>\$198.4</b>	<b>\$195.1</b>
Employee Expenses	\$6.9	\$5.6	\$1.3 19% ③	\$11.4	\$8.6	\$2.8 25%	\$19.0	\$19.4	(\$0.4)	\$19.5	\$16.0
Hardware	\$5.4	\$6.2	(\$0.8) -15% ④	\$16.7	\$12.7	\$4.0 24%	\$18.2	\$17.0	\$1.2	\$18.7	\$14.2
Software	\$2.7	\$3.6	(\$0.9) -33% ⑤	\$27.9	\$28.0	(\$0.1) 0%	\$28.8	\$29.3	(\$0.5)	\$29.3	\$29.3
Program Operations	\$1.2	\$1.4	(\$0.2) -17%	\$2.7	\$2.8	(\$0.1) -4%	\$4.0	\$4.0	\$0.0	\$4.0	\$4.0
CPS	\$0.0	\$0.0	\$0.0 NA	\$6.3	\$6.3	\$0.0 0%	\$6.3	\$6.3	\$0.0	\$6.3	\$6.3
Contingency	\$7.0	\$0.0	\$7.0 100%	\$10.4	\$0.0	\$10.4 100%	\$14.3	\$14.3	\$0.0	\$14.3	\$14.3
<b>Total</b>	<b>\$95.6</b>	<b>\$95.3</b>	<b>\$0.3 0%</b>	<b>\$237.5</b>	<b>\$220.3</b>	<b>\$17.2 7%</b>	<b>\$280.4</b>	<b>\$287.2</b>	<b>(\$6.8)</b>	<b>\$290.5</b>	<b>\$279.2</b>
AFUDC - BT	\$8.8	\$7.2	\$1.6 18%	\$14.1	\$12.4	\$1.7 12%	\$20.2	\$20.2	\$0.0	\$20.2	\$20.2
<b>Total BT</b>	<b>\$104.4</b>	<b>\$102.5</b>	<b>\$1.9 2%</b>	<b>\$251.6</b>	<b>\$232.7</b>	<b>\$18.9 8%</b>	<b>\$300.6</b>	<b>\$307.4</b>	<b>(\$6.8)</b>	<b>\$310.7</b>	<b>\$299.4</b>
BT Controls/OI	\$9.4	\$13.7	(\$4.3) -46%	\$17.8	\$21.4	(\$3.6) -20%	\$18.3	\$27.9	(\$9.6)	\$27.9	\$27.9
BT Controls/OI/AFUDC	\$0.7	\$0.6	\$0.1 14%	\$0.8	\$0.6	\$0.2 25%	\$1.3	\$1.8	(\$0.5)	\$1.8	\$1.8
<b>Total BT Controls/OI</b>	<b>\$10.1</b>	<b>\$14.3</b>	<b>(\$4.2) -42%</b>	<b>\$18.6</b>	<b>\$22.0</b>	<b>(\$3.4) -18%</b>	<b>\$19.6</b>	<b>\$29.7</b>	<b>(\$10.1)</b>	<b>\$29.7</b>	<b>\$29.7</b>
<b>Grand Total</b>	<b>\$114.5</b>	<b>\$116.8</b>	<b>(\$2.3) -2%</b>	<b>\$270.2</b>	<b>\$254.7</b>	<b>\$15.5 6%</b>	<b>\$320.2</b>	<b>\$337.1</b>	<b>(\$16.9)</b>	<b>\$340.4</b>	<b>\$329.1</b>

⑥ Factor Contingency Ratio = .7

① Vacant positions, internal staff providing training was not incurred and ITS positions being filled by contractors.

② ITS positions being filled by contractors; scope changes.

③ Dec to date severance (\$2.5m) and is not in '12 budget; this was budgeted in 2013. Offsetting items: training start lag, vacancies, less workshops, use of WebEx instead of travel, and contractors used in place of some internal positions (contractor travel charged to Labor-External).

④ Timing of purchase of various hardware items

⑤ Timing of purchase of various software /maint. support contracts; slightly offset with purchase of additional HPQC, Enterprise Scheduler and Kronos licenses

The Factor Contingency Ratio is a metric to evaluate contingency risk; a ratio less than 1.0 indicates that there is available contingency to cover the High Estimate scenario. The formula used to derive the ratio is (High Estimate - Budget) / Contingency → (290.5- 280.4=10.1) / 14.3= .7

Business Transformation  
 Kentucky-American Water  
 CASE NO. 2012-00520  
 169. f

Month	Actual			Actual			Actual			Actual			Budget			
	April-12	May-12	June-12	July-12	August-12	September-12	October-12	November-12	December-12	January-13	February-13	March-13	Total	April-13	May-13	June-13
Allocated BT Costs	11,871,386	12,677,891	8,428,832	7,340,818	8,340,379	8,421,163	6,161,715	5,836,215	8,739,566	7,121,414	7,983,949	4,552,042	97,475,370			
Direct Charge Kentucky	3,334	3,732	1,601	130	0	0	0	3,812	0	0	0	0	12,608			
<b>Total Costs</b>	<b>11,874,720</b>	<b>12,681,623</b>	<b>8,430,432</b>	<b>7,340,949</b>	<b>8,340,379</b>	<b>8,421,163</b>	<b>6,161,715</b>	<b>5,840,026</b>	<b>8,739,566</b>	<b>7,121,414</b>	<b>7,983,949</b>	<b>4,552,042</b>	<b>97,487,978</b>			

Month	Budget			Budget			Budget			Budget			Budget			
	August-13	September-13	October-13	November-13	December-13	January-14	February-14	March-14	April-14	May-14	June-14	July-14	Total	August-14	September-14	October-14
Allocated BT Costs	3,553,952	3,415,772	3,329,522	1,714,997	1,679,829	1,015,007	989,307	987,357	0	0	0	0	16,685,743			



**KENTUCKY-AMERICAN WATER COMPANY**  
**CASE NO. 2012-00520**  
**ATTORNEY GENERAL'S FIRST REQUEST FOR INFORMATION**

---

**Witness:**     **Keith Cartier**

**170.**   RR - Please provide the gallons sold and the number of customers, by month, by tariff rate for the 11 most recent years available.

**Response:**

Please see the attached. Note that the attached begins with the year 2005 as information broken down by different rates within each customer classification prior to 2005 is not readily available. For total sales by customer classification for 2003-2005, please refer to the response to Item 10 of the Commission's Second Request for Information.

Kentucky American Water Company  
Case No. 2012-00520  
Data Request AG 1-170

2005														
1000 Gallons														
Class	Rate Schedule	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Residential	A1M1	13	3	3	4	3	8	27	7	8	50	1	0	127
	A1M4	605,155	421,937	533,391	394,392	418,138	656,526	616,380	657,828	778,131	576,095	523,982	329,473	6,511,429
	A1M4C	32	26	23	32	141	183	324	400	411	232	225	132	2,162
	A1M4M	764	13	7	10	48	159	685	1,026	881	881	446	296	5,102
	B1M1	578	282	466	472	261	593	328	436	479	177	307	183	4,562
	B1M4	12,303	7,575	8,358	7,668	6,367	10,336	8,783	9,381	11,649	7,084	7,398	4,676	101,580
	H1M1	18	19	33	26	26	5	4	4	3	2	2	1	113
	H1M4	414	482	821	0	392	1,150	4	844	732	735	470	567	6,613
	Misc Adj	(6,699)	(11,297)	(11,896)	(8,708)	(6,945)	(6,350)	(3,034)	(5,721)	(8,401)	(9,081)	(10,631)	(8,375)	(97,138)
Total Residential		612,580	419,042	531,207	393,870	418,430	662,611	623,578	663,865	784,038	576,175	522,201	326,954	6,534,551
Commercial	A2M4	323,546	231,924	294,790	239,946	221,029	348,154	288,458	339,296	437,689	300,508	287,140	174,015	3,486,496
	A2M4A	832	597	823	470	589	726	607	1,101	954	883	806	628	9,015
	A2M4C	44,623	30,438	31,588	37,384	35,482	44,312	42,409	50,981	54,994	45,680	43,417	22,034	483,343
	A2M4D	503	352	0	0	0	0	0	0	0	0	0	0	854
	A2M4M	34,852	26,620	29,648	28,570	26,031	35,671	33,442	35,717	48,058	33,856	32,943	21,053	386,460
	B2M1	93	288	364	321	145	298	346	272	176	183	157	98	2,741
	B2M4	260	191	221	236	150	397	217	352	603	143	147	120	3,038
	Misc Adj	(3,658)	(9,964)	(4,740)	(4,496)	(5,134)	(2,693)	(1,953)	(5,075)	(11,707)	(5,027)	(5,853)	(4,841)	(41,727)
Total Commercial		401,051	280,446	352,694	302,431	278,293	426,867	363,526	422,645	554,180	376,224	358,757	213,107	4,330,219
Industrial	A3M4	9,119	9,032	9,072	9,381	10,491	10,730	12,822	14,496	15,318	13,689	11,153	7,769	133,071
	A3M4C	45,650	50,230	50,140	50,165	53,151	53,035	66,146	64,517	73,270	69,847	53,120	44,134	673,404
	Misc Adj	(135)	0	0	0	0	(75)	(76)	(75)	(75)	(75)	(75)	(75)	(361)
Total Industrial		54,769	59,127	59,212	59,545	63,641	63,690	78,892	78,939	88,588	83,536	64,273	51,903	806,114
OPA	A4M4	46,072	34,617	39,108	40,159	40,884	58,330	58,431	58,969	112,042	71,287	49,770	26,574	636,244
	A4M4A	2,256	1,928	1,863	1,564	1,838	2,268	2,993	4,662	3,917	2,769	1,867	2,133	30,058
	A4M4C	61,117	57,930	54,114	64,098	67,592	63,976	82,172	88,729	102,331	90,517	64,730	64,603	861,908
	B4M1	374	197	191	219	267	158	52	34	124	102	88	0	1,806
	B4M4	175	0	0	0	0	22	130	91	243	251	129	0	1,041
	Misc Adj	(574)	1,287	(317)	(108)	(105)	(2,934)	9,257	(17)	(203)	(663)	(343)	1,021	6,300
Total OPA		109,420	95,958	94,958	105,932	110,476	121,820	153,036	152,467	218,454	164,263	116,241	94,331	1,537,357
OWU	A5M4	27,342	22,827	19,527	22,240	18,532	27,642	45,035	39,537	49,526	35,877	25,609	23,120	356,813
	A5M4A	1,839	1,196	1,111	1,174	1,221	1,636	4,497	3,899	2,904	2,097	1,504	1,339	24,416
	A5M4C	6,964	5,331	5,320	5,402	4,994	4,943	9,067	8,623	6,743	6,027	5,365	5,576	74,355
	Misc Adj	(10,476)	(10,476)	(9)	(9)	(9)	(9)	(9)	(9)	(9)	(9)	(9)	(9)	(11,166)
Total OWU		36,144	18,878	25,957	28,807	24,747	34,221	58,599	52,059	59,174	43,320	32,477	30,035	444,418
Misc.	LOCAL	25	0	96	0	48	167	0	0	0	0	0	0	336
Total Misc.		25	0	96	0	48	167	0	0	0	0	0	0	336
Grand Total		1,213,988	873,451	1,064,123	890,586	895,635	1,309,376	1,277,630	1,369,974	1,704,434	1,243,519	1,093,950	716,330	13,652,996

Kentucky American Water Company  
 Case No. 2012-00520  
 Data Request AG 1-170

Class	2006												Total
	1000 Gallons												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Residential													9
A1M1	2	2	5	0									
A1M4	604,261	447,050	530,358	348,456	620,426	571,255	552,980	597,006	699,007	461,165	522,391	426,425	6,380,780
A1M4C	147	161	146	206	352	61	148	97	116	64	9	0	1,506
A1M4M	111	94	111	126	205	267	342	382	810	390	248	65	3,152
B1M1	372	301	210	306	189	264	353	191	267	165	164	218	3,000
B1M4	12,384	7,627	8,227	8,695	7,591	9,446	10,153	8,919	9,808	7,923	7,759	8,184	106,658
H1M1	3	7	1	0	1	1	2	1	5	0	1	0	22
H1M4	355	355	609	546	605	691	996	672	729	481	436	494	6,968
O1M2	0	1,737	2,382	2,057	1,356	1,773	1,762	1,587	2,025	1,447	1,584	1,708	19,416
O1M2B	0	116	47	42	34	51	51	42	41	28	28	37	516
O1M2C	0	2,563	3,248	2,212	1,598	2,014	2,240	2,125	2,476	1,536	1,727	1,857	23,597
O1M2S	0	0	2	3	0	1	1	4	10	10	10	3	46
Misc Adj	(17,475)	(11,343)	(12,511)	(9,131)	(9,701)	(6,536)	(5,509)	(4,902)	(6,778)	(7,525)	(11,066)	(6,824)	(109,301)
Total Residential	600,161	448,671	532,835	353,458	622,656	579,289	563,518	606,125	708,516	465,684	523,292	432,167	6,436,371
Commercial													
A2M4	322,099	227,019	310,591	193,603	308,237	293,051	308,690	317,106	364,579	274,595	272,362	221,657	3,413,588
A2M4A	821	824	651	714	871	966	975	923	1,023	881	1,160	390	10,197
A2M4C	42,039	27,370	34,375	34,222	41,270	40,888	47,645	42,150	54,432	38,147	42,148	103,600	548,287
A2M4M	34,103	23,372	31,417	25,863	34,104	32,367	32,332	33,669	37,615	27,217	34,095	41,524	387,678
B2M1	131	117	142	154	235	123	116	112	85	80	98	102	1,495
B2M4	194	236	381	249	230	272	320	299	271	203	179	187	3,022
H2M4	0	0	0	0	3	4	4	2	2	2	2	3	22
O2M2	0	179	2,558	2,593	1,727	1,614	1,612	1,637	1,717	1,675	1,164	1,447	17,923
O2M2B	0	36	83	49	42	51	67	44	58	46	33	31	540
O2M2C	0	33	120	86	48	43	53	32	43	31	31	85	605
Misc Adj	(13,582)	(945)	(7,771)	(2,306)	(6,621)	(12,341)	(399)	(3,749)	(7,611)	(8,848)	(10,239)	(6,510)	(80,923)
Total Commercial	385,805	278,241	372,546	255,228	380,145	357,038	391,413	392,225	452,213	334,031	341,033	362,516	4,302,435
Industrial													
A3M4	11,272	7,210	11,554	9,995	10,121	10,507	13,365	12,128	14,878	10,847	10,663	7,102	129,641
A3M4C	58,521	47,167	43,300	50,944	47,447	56,211	62,365	50,849	65,421	47,164	48,158	44,936	622,482
O3M2	0	1	5	1	2	4	3	0	0	0	0	0	17
Misc Adj	(159)		4,076						(6,946)		(193)		(3,222)
Total Industrial	69,634	54,378	58,935	60,940	57,571	66,722	75,733	62,977	80,299	51,065	58,627	52,038	748,918
OPA													
A4M4	54,374	34,452	37,880	39,060	46,427	53,555	70,188	52,224	66,028	41,144	40,990	32,908	569,229
A4M4A	4,709	4,900	3,006	3,453	2,506	3,795	5,146	4,839	4,873	3,860	3,032	3,567	47,687
A4M4C	70,784	54,605	55,836	61,476	61,324	63,258	78,372	68,247	91,750	87,588	64,303	60,990	818,533
B4M1	92	45	32	50	40	40	10	10	53	69	18	90	541
B4M4	305	169	114	190	221	181	211	94	304	266	231	222	2,510
Misc Adj	(1,166)	(2,174)	(721)	(31)	(14,659)	(77)	(96)	(34)	(64)	(259)	(444)	(90)	(19,815)
Total OPA	129,099	91,998	96,148	104,180	95,870	120,751	153,830	125,379	162,945	132,668	108,130	97,687	1,418,685
OWU													
A5M4	24,647	19,175	18,147	21,337	21,145	31,010	31,640	33,911	39,593	25,868	24,156	23,908	314,538
A5M4A	1,372	1,136	1,079	1,205	1,183	1,763	1,720	1,813	2,104	1,282	1,301	1,210	17,168
A5M4C	6,178	4,980	4,843	5,525	4,338	5,568	4,902	5,647	4,985	3,280	3,334	3,601	57,182
Misc Adj			(7)							(28)			(36)
Total OWU	32,198	25,291	24,062	28,067	26,667	38,341	38,262	41,370	46,682	30,402	28,791	28,719	388,852
Misc.	0	0	121,280	94,786	0	0	0	33,009	11,004	2,039	6,231	10,109	278,458
Total Misc.	0	0	121,280	94,786	0	0	0	33,009	11,004	2,039	6,231	10,109	278,458
Grand Total	1,216,897	898,579	1,205,805	896,659	1,182,908	1,162,141	1,222,757	1,261,085	1,461,659	1,015,889	1,066,104	983,236	13,573,719

Kentucky American Water Company  
 Case No. 2012-00520  
 Data Request AG 1-170

Class	2007												Total
	1000 Gallons												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Residential	476,641	444,006	461,282	465,171	469,678	719,495	673,062	635,307	716,398	551,533	541,257	446,018	6,599,849
A1M4	0	0	1	1	1	419	784	317	192	233	123	51	2,268
A1M4C	58	36	19	242	310	992	1,511	986	1,065	592	639	141	6,590
A1M4M	2,15	209	182	210	178	369	406	272	390	359	125	104	3,019
B1M1	8,411	8,416	8,374	9,009	7,945	11,460	11,535	9,999	12,153	9,160	8,781	8,920	114,163
H1M1	0	0	0	0	0	1	1	1	0	0	0	0	6
H1M4	395	364	871	461	560	1,055	954	702	1,131	615	515	400	8,022
O1M2	1,595	1,530	1,506	1,801	1,492	1,939	1,731	1,750	1,969	1,415	1,550	1,633	19,911
O1M2B	38	35	34	43	37	44	55	43	40	33	23	30	456
O1M2C	1,633	1,622	1,994	2,128	1,925	2,531	2,400	1,929	2,397	1,781	1,778	1,768	23,886
O1M2S	2	3	2	2	1	4	4	4	7	6	3	2	43
Misc Adj	(11,220)	(11,104)	(12,840)	(12,329)	(9,205)	(6,633)	(6,358)	(12,551)	(6,683)	(7,523)	(8,629)	(7,671)	(112,747)
Total Residential	477,769	445,117	461,428	466,738	473,339	732,040	685,620	638,636	729,099	558,118	546,166	451,396	6,665,465
Commercial	236,545	246,327	238,558	251,484	242,051	328,155	328,157	357,685	371,289	302,300	288,632	228,290	3,419,472
A2M4	976	692	673	928	868	1,119	1,209	1,074	1,171	979	1,196	816	11,701
A2M4C	31,644	31,551	31,872	37,356	38,050	49,449	53,040	47,962	48,746	47,971	41,207	30,355	489,202
A2M4M	26,674	26,321	27,944	31,802	31,884	39,944	38,721	39,648	42,014	36,358	39,739	30,555	411,605
B2M1	84	76	165	221	229	317	91	43	40	2	2	4	1,274
B2M4	191	172	284	426	286	215	568	315	396	278	263	213	3,611
H2M4	4	4	3	4	6	1	7	4	9	7	0	1	51
O2M2	1,840	1,638	1,756	1,770	1,639	1,720	1,692	1,704	1,649	1,560	1,621	1,977	20,565
O2M2B	28	26	20	22	20	24	28	32	55	38	35	38	368
O2M2C	36	39	26	40	33	48	59	69	90	79	49	42	609
Misc Adj	(7,137)	(7,221)	(6,577)	(4,800)	(5,175)	(4,376)	(2,390)	(6,993)	(41,442)	(2,080)	(4,412)	(4,699)	(91,024)
Total Commercial	290,885	299,624	294,724	325,534	309,892	416,617	421,182	441,542	424,018	387,492	368,331	287,593	4,267,434
Industrial	6,837	7,341	5,703	13,708	10,951	12,941	12,183	11,772	13,093	11,584	11,322	8,636	126,071
A3M4	43,394	53,669	43,124	59,073	51,885	51,808	57,401	51,677	69,832	57,093	48,634	49,009	636,599
Misc Adj			7,039	(1,771)									5,268
Total Industrial	50,230	61,010	55,866	71,010	62,836	64,749	69,583	63,449	82,925	68,677	59,957	57,645	767,938
OPA	32,726	33,473	34,712	41,598	43,333	77,206	68,875	62,592	88,821	64,551	57,228	37,737	642,851
A4M4	2,663	3,497	4,763	3,391	3,023	5,901	5,208	9,013	8,082	7,141	9,956	6,602	69,240
A4M4C	51,647	55,271	55,848	66,700	60,679	74,537	81,371	81,227	124,903	84,721	80,097	66,119	883,122
B4M1	38	42	44	52	54	32	5	23	32	80	46	46	494
B4M4	147	172	188	225	197	305	357	234	482	402	284	260	3,255
Misc Adj	(684)	(618)	(199)	(463)	(79)	(123)	(369)	(79)	(1)	5	(404)	(841)	(3,854)
Total OPA	86,537	91,837	95,355	111,503	107,208	157,859	155,448	153,009	222,320	156,901	147,208	109,923	1,595,109
OWU	23,801	27,451	20,255	25,350	26,179	47,554	45,292	37,749	56,383	46,631	43,836	27,072	427,554
A5M4	1,252	1,317	1,027	1,233	1,218	5,469	1,929	1,471	1,911	1,911	2,007	1,191	22,324
A5M4C	2,726	3,199	3,097	2,878	3,422	5,444	4,111	4,703	1,144	520	16,686	5,407	53,338
OSM1				714	19,749	12,459	4,981	20,502	15,721	13,412	14,291	12,806	114,634
Misc Adj		(1)		(1,120)	(9)						(6,689)	(138)	(7,957)
Total OWU	27,779	31,967	24,379	30,176	50,569	70,926	55,193	64,423	75,158	62,569	70,415	46,338	609,892
Misc. LOCAL	43	1	5	0	114	451	0	390	2,580	257	288	136	4,266
Total Misc.	43	1	5	0	114	451	0	390	2,580	257	288	136	4,266
Grand Total	933,244	929,556	931,757	1,004,962	1,003,959	1,442,643	1,387,026	1,361,449	1,536,100	1,234,015	1,192,364	953,031	13,910,103

Kentucky American Water Company  
 Case No. 2012-00520  
 Data Request AG 1-170

Class	2008												Total
	1000 Gallons												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Residential	479,411	470,277	423,686	428,593	478,868	550,591	607,717	670,309	671,876	618,196	503,852	464,964	6,368,339
A1M4C	1	1	1	1	11	123	223	272	259	196	177	1	1,268
A1M4M	15	444	16	10	188	451	1,036	589	2,088	1,453	860	168	7,317
B1M1	104	123	90	50	60	61	51	84	53	65	58	47	845
B1M4	8,433	10,012	8,242	8,503	8,943	10,928	9,830	12,534	10,590	9,638	11,754	8,636	118,044
H1M1	0	0	0	1									1
H1M4	402	1,288	459	412	423	700	821	928	778	530	669	404	7,814
O1M2	1,520	1,759	1,331	1,430	1,554	1,765	1,590	1,958	1,572	1,519	1,726	1,403	19,127
O1M2B	23	29	22	29	39	34	32	58	40	36	31	30	405
O1M2C	1,735	2,022	1,774	1,950	1,782	2,251	2,128	2,488	2,125	1,866	2,178	1,768	24,067
O1M2S	1	2	1	1	2	1	2	3	2	3	4	2	25
Misc Adj	(10,448)	(7,037)	(11,866)	(13,928)	(5,429)	(5,675)	(4,691)	(8,647)	(6,246)	(5,973)	(9,591)	(10,002)	(99,533)
Total Residential	481,196	478,919	423,758	427,052	486,440	561,230	618,740	680,575	683,138	627,529	511,719	467,423	6,447,718
Commercial	241,798	246,574	222,144	228,809	258,003	287,411	309,806	347,713	350,356	317,739	268,393	229,629	3,308,373
A2M4A	729	819	767	686	807	1,136	1,333	1,562	1,738	1,370	1,165	692	12,803
A2M4C	26,083	29,311	25,482	28,845	38,198	34,570	40,560	46,268	44,035	42,785	43,498	34,184	433,818
A2M4M	30,480	31,612	27,162	29,877	32,947	31,145	35,729	39,506	37,626	36,555	34,729	28,256	395,624
B2M1	1	1	5	3	0	0	0	1	1	0	1	0	13
B2M4	245	340	241	332	441	490	362	559	434	373	468	224	4,508
B2M4A	0	0	0	0	0	0	0	0	0	0	2	1	3
B2M4M	0	0	0	0	0	0	0	0	0	0	0	0	1
H2M4	3	1	4	2	2	3	3	6	4	2	1	1	34
O2M2	1,331	1,612	1,399	1,360	1,000	1,157	936	961	1,446	828	1,078	825	13,932
O2M2B	36	38	30	35	28	57	48	66	103	53	69	30	592
O2M2C	31	52	41	54	75	56	49	82	91	79	95	70	774
O2M2S	0	0	0	0	0	0	0	0	0	0	0	0	194
O2M2C2	0	0	0	0	0	0	0	0	0	0	0	0	174
Misc Adj	(7,905)	(2,208)	(3,834)	(4,019)	(3,457)	(7,662)	(5,229)	(1,419)	(9,906)	14,368	(3,162)	(4,041)	(38,473)
Total Commercial	292,831	308,151	273,440	285,978	328,053	348,363	385,966	435,304	425,927	414,153	347,331	290,238	4,133,365
Industrial	7,428	9,335	7,677	7,867	9,204	8,594	9,674	10,314	8,254	9,798	6,668	5,074	99,888
A3M4	35,009	40,833	39,972	40,909	50,236	31,878	46,491	47,197	53,264	46,830	44,719	36,856	514,195
Misc Adj	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
Total Industrial	42,436	50,168	47,647	48,776	59,441	40,472	63,777	57,511	61,518	56,628	50,988	41,930	621,293
OPA	34,433	48,546	42,754	40,321	46,469	58,776	61,729	77,946	78,627	66,945	58,616	43,016	658,177
A4M4A	5,826	7,274	6,830	6,403	6,920	6,258	6,953	8,802	8,926	6,978	5,564	4,942	81,677
A4M4C	48,178	61,355	64,018	60,277	67,408	70,877	80,373	95,630	108,649	94,910	80,318	59,853	891,846
B4M1	38	46	44	6	7	5	0	0	0	0	0	0	147
B4M4	204	260	179	210	269	232	171	257	496	429	352	198	3,257
Misc Adj	(1)	(135)	(199)	(199)	(22)	(291)	(1,639)	(726)	121	(47)	2,720	(217)	31,429
Total OPA	88,679	117,847	113,626	139,082	121,050	135,856	147,587	181,911	196,819	169,215	147,570	107,792	1,666,534
OWU	26,872	31,423	30,002	27,962	29,046	33,421	41,167	47,776	51,071	50,151	53,704	27,173	449,768
A5M4A	681	748	895	1,017	785	991	1,400	1,588	1,603	1,339	755	558	12,358
A5M4C	3,587	3,234	2,868	2,917	3,163	3,947	3,843	6,000	6,456	6,342	8,284	5,456	56,098
Misc Adj	(102)	(79)	(3)	(3)	(3)	(3)	(42)	(42)	(42)	(42)	(42)	(42)	(227)
Total OWU	31,037	35,326	33,765	31,892	32,994	38,359	46,368	55,365	59,130	57,832	62,743	33,187	517,997
Misc. LOCAL	60	91	20	77	126	742	967	743	946	17	1,956	341	6,087
Total Misc.	60	91	20	77	126	742	967	743	946	17	1,956	341	6,087
Grand Total	936,239	990,002	892,256	932,857	1,028,103	1,125,021	1,261,036	1,411,409	1,427,478	1,325,374	1,122,307	940,911	13,392,994

Kentucky American Water Company  
 Case No. 2012-00520  
 Data Request AG 1-170

Class	Rate Schedule												Total
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
<b>2009</b>													
<b>1000 Gallons</b>													
Residential	514,616	445,588	424,952	449,349	443,850	520,391	579,911	509,978	532,973	491,065	431,206	452,857	5,836,737
A1M4C	0	0	0	0	1	149	410	423	270	239	46	12	1,549
A1M4M	117	88	58	46	244	871	723	1,071	1,219	795	89	75	5,395
B1M1	54	45	49	45	55	1							256
B1M4	10,660	9,508	9,386	8,848	9,886	10,105	10,102	11,103	9,807	8,864	9,950	8,520	116,738
H1M4	651	337	257	361	605	731	702	744	618	423	505	307	6,241
O1M2	1,701	1,609	1,339	1,527	1,718	1,564	1,607	1,784	1,556	1,535	1,497	1,409	18,847
O1M2B	35	27	25	26	35	29	28	42	31	28	26	30	361
O1M2C	2,171	1,721	1,613	1,617	2,141	2,051	1,969	2,392	2,131	1,650	2,049	1,640	23,147
O1M2S	3	1	2	2	1	2	3	4	2	2	2	1	27
Misc Adj	(10,937)	(7,612)	(11,504)	(2,160)	(1,508)	(1,453)	(2,041)	(3,454)	(2,577)	(2,516)	(1,626)	(3,413)	(50,800)
Total Residential	519,070	451,313	426,176	459,660	457,029	534,442	593,414	564,094	546,031	502,086	443,744	461,438	5,958,497
Commercial	244,659	235,365	221,982	234,923	228,860	266,005	299,472	300,319	285,594	273,905	226,882	228,847	3,046,812
A2M4	608	660	583	675	811	880	1,212	2,180	1,144	728	668	660	10,809
A2M4C	30,933	29,830	27,985	33,957	36,873	34,528	40,117	38,838	34,544	35,536	30,979	27,784	401,904
A2M4M	27,427	23,906	23,163	26,498	27,958	27,817	32,634	32,737	29,357	27,768	27,109	23,448	329,822
B2M1	0	0	0	0	1								2
B2M4	319	420	297	339	475	491	415	435	383	390	395	278	4,637
B2M4A	1	0	1	1	1	0	0	1	1	1	1	358	477
B2M4M	1	1	1	4	3	10	7	20	16	13	348	465	891
H2M4	2	1	1	1	1	2	2	1	1	1	1	1	20
O2M2	1,205	997	1,025	1,078	859	933	1,066	1,050	897	871	859	829	11,668
O2M2B	34	29	41	47	61	51	51	58	57	48	49	40	567
O2M2C	116	146	55	48	65	55	53	68	56	56	76	58	855
O2M2C1	233	194	217	267	182	238	293	254	257	287	261	254	2,936
O2M2C2	210	202	265	390	206	273	337	297	303	301	192	176	3,153
Misc Adj	(5,889)	93	(5,740)	1,676	3,880	(986)	(995)	(2,969)	(2,756)	2,206	(1,747)	(1,946)	(15,172)
Total Commercial	299,860	291,845	269,876	299,903	300,238	330,297	374,665	373,292	349,855	342,114	286,431	281,371	3,799,746
Industrial	3,317	3,516	2,955	4,242	4,392	3,951	6,155	5,867	5,768	6,353	7,002	5,659	59,175
A3M4C	30,572	30,204	33,919	31,450	32,506	33,178	48,530	45,015	47,240	48,614	39,304	37,407	457,938
Misc Adj	(39)												(4,731)
Total Industrial	33,849	33,720	36,873	35,692	36,898	37,128	54,686	50,881	53,008	54,967	46,306	38,374	512,382
OPA	41,695	37,189	36,580	37,950	40,731	48,126	50,793	56,982	55,383	51,187	38,800	33,948	529,365
A4M4A	6,478	8,040	6,537	3,905	5,089	6,380	8,031	6,404	6,116	8,577	5,542	5,484	76,583
A4M4C	62,853	56,619	55,934	58,685	63,475	66,060	78,237	88,609	81,471	77,716	64,303	59,601	813,564
B4M4	162	146	251	250	263	295	141	189	346	268	288	232	2,830
B4M4A	0	0	0	0	234	24	5	13	28	26	31	29	390
B4M4M	0	0	0	0	0	19	4	22	23	22	22	22	138
O4M2	0	0	0	0	0	32	34	86	32	28	29	25	267
Misc Adj	(205)	1,691	(2,479)	101	(19)	(375)	(29)	(85)	(41)	0	(409)	(473)	(2,325)
Total OPA	110,982	103,685	96,823	100,891	109,795	120,561	137,214	152,202	143,358	137,826	108,607	98,868	1,420,811
OWU	32,239	29,524	29,693	23,294	27,675	34,797	40,892	38,799	34,083	34,964	26,770	28,084	380,814
A5M4A	541	752	576	489	599	735	8307	2,590	833	829	618	637	17,504
A5M4C	5,790	4,725	4,575	4,504	6,051	5,386	5,977	5,944	5,911	5,540	7,015	6,748	68,164
Misc Adj							(1)					(4)	(5)
Total OWU	38,569	35,000	34,844	28,288	34,324	40,918	55,175	47,332	40,827	41,331	34,403	35,464	466,477
Misc. LOCAL	37	82	58	176	483	411	498	480	65	103	186	405	2,985
Total Misc.	37	82	58	176	483	411	498	480	65	103	186	405	2,985
Grand Total	1,002,368	915,646	864,650	924,610	938,767	1,063,757	1,215,653	1,188,280	1,133,143	1,078,428	919,676	915,920	12,160,898

Kentucky American Water Company  
 Case No. 2012-00520  
 Data Request AG 1-170

Class	Rate Schedule												Total
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
<b>2010</b>													
<b>1000 Gallons</b>													
Residential	482,336	404,677	419,604	483,120	445,013	505,073	601,442	562,666	642,145	602,225	492,411	410,128	6,050,840
A1M4C	25	25	23	31	122	183	188	239	321	295	191	1,831	
A1M4M	101	46	38	43	889	680	1,395	2,487	2,132	1,447	179	10,830	
B1M1	0	13	0	0	0	0	0	0	0	0	0	13	
B1M4	10,547	9,186	8,815	10,461	9,067	10,193	11,152	12,772	11,661	13,397	9,943	9,259	126,452
H1M4	411	495	604	472	381	2,203	690	832	752	681	514	373	8,408
O1M2	1,720	1,329	1,317	1,637	1,456	1,479	1,679	1,719	1,684	1,776	1,415	1,411	18,621
O1M2B	34	22	22	26	25	25	35	43	38	39	24	25	358
O1M2C	2,085	1,764	1,731	2,137	1,802	2,264	2,098	2,465	2,315	2,495	1,865	1,723	24,743
O1M2S	1	2	2	3	2	1	6	4	4	3	2	3	34
Misc Adj	(3,202)	(2,715)	(8,848)	(4,414)	(5,513)	10,530	(4,040)	(3,902)	(1,285)	(3,616)	(1,337)	(1,414)	(29,754)
Total Residential	494,057	414,845	423,309	493,516	453,244	532,631	614,646	578,181	660,040	619,452	506,580	421,878	6,212,378
Commercial	236,296	209,428	217,586	258,259	243,460	276,929	316,177	302,993	368,918	319,798	268,017	223,496	3,241,359
A2M4	556	464	433	589	639	1,118	1,532	1,129	1,655	1,592	1,055	600	11,362
A2M4C	29,598	25,750	26,081	36,340	32,211	35,617	39,598	44,980	44,299	40,670	37,329	29,797	422,271
A2M4M	23,609	21,752	21,994	27,870	25,523	30,772	32,619	32,694	35,208	32,424	27,878	28,346	340,689
B2M4	364	411	367	409	521	346	429	494	574	728	440	321	5,404
B2M4A	827	638	4	274	655	227	10	55	10	99	0	0	2,801
B2M4M	819	623	5	267	639	222	9	54	10	7	0	0	2,655
H2M4	2	1	1	1	1	1	3	1	1	2	1	1	21
O2M2	1,273	744	838	942	806	736	1,141	1,059	795	1,016	823	778	10,951
O2M2B	50	48	33	37	37	44	69	82	108	85	64	34	693
O2M2C	49	39	28	73	49	38	50	58	126	149	126	69	853
O2M2C1	266	236	219	272	242	227	250	280	331	289	210	215	3,038
O2M2C2	214	240	166	211	194	156	172	237	239	213	94	195	2,332
Misc Adj	(1,154)	(732)	(3,757)	4,503	(1,048)	4,991	(393)	(3,098)	23,467	(1,628)	4,818	(2,075)	23,894
Total Commercial	292,769	259,642	264,001	330,047	303,929	351,426	391,666	381,018	475,745	395,446	340,854	281,778	4,068,320
Industrial	9,681	5,140	5,626	7,083	8,165	7,187	8,951	8,610	9,038	6,824	6,063	5,498	87,868
A3M4C	38,236	36,168	32,425	38,755	38,108	36,162	50,608	49,217	54,050	43,794	36,199	35,330	489,053
Misc Adj	42	(5,291)	(7)	(47)								0	(5,303)
Total Industrial	47,960	36,017	38,045	45,838	46,273	43,302	59,560	57,827	63,089	50,618	42,262	40,828	571,617
OPA	37,571	39,962	40,504	40,658	44,878	48,031	65,187	60,154	84,015	87,935	55,039	40,505	644,440
A4M4A	6,368	5,962	7,986	9,066	7,116	7,116	8,013	13,671	14,435	13,673	8,092	5,643	109,830
A4M4C	63,358	59,837	60,509	56,932	67,283	62,818	78,050	93,649	95,807	81,309	68,539	55,092	843,184
B4M4	216	265	207	467	366	313	208	283	509	640	371	297	4,142
B4M4A	21	29	20	34	32	37	13	14	54	100	124	61	540
B4M4M	14	19	13	25	25	20	2	2	23	26	24	35	229
O4M2	20	29	19	22	19	23	20	73	31	50	20	31	358
Misc Adj	(40)	(122)	(992)	(120)	(230)	2,201	19	2,291	(50)	(1,201)	(62)	(160)	1,534
Total OPA	107,527	105,981	108,267	107,822	121,439	120,560	151,512	170,137	194,824	182,534	132,148	101,505	1,604,257
OWU	31,251	27,409	25,667	28,617	27,561	30,070	41,244	37,805	45,607	47,301	44,665	10,281	397,478
A5M4A	756	672	619	706	824	824	902	867	992	1,755	4,713	313	13,943
A5M4C	8,140	6,140	6,478	5,745	4,994	5,570	4,988	5,134	6,834	6,306	5,014	4,507	69,850
Misc Adj	(1)	(1)	(4)	(4)				(1)	(1)	(1,008)	1,008	(6)	
Total OWU	40,149	34,220	32,764	35,068	33,379	36,460	47,134	43,805	53,431	55,362	53,384	16,110	481,265
Misc. LOCAL	146	31	0	245	562	711	124	1,424	1,120	0	0	18	4,383
Total Misc.	146	31	0	245	562	711	124	1,424	1,120	0	0	18	4,383
Grand Total	982,607	850,736	866,386	1,012,535	958,826	1,085,090	1,264,642	1,232,392	1,448,249	1,303,412	1,075,228	862,117	12,942,221

Kentucky American Water Company  
 Case No. 2012-00520  
 Data Request AG 1-170

Class	2011												Total
	1000 Gallons												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Residential	524,554	403,423	399,501	424,541	428,093	520,037	574,478	532,241	585,080	464,343	411,745	421,785	5,687,821
A1M4	102	95	87	111	80	31	305	282	123	123	124	124	1,854
A1M4C	52	39	42	59	169	278	1,144	1,093	1,408	497	316	206	5,302
A1M4M	0	0	0	0	0	1	3	6	3	5	3	4	25
B1M1	11,278	9,237	9,002	10,183	8,469	9,959	11,925	10,415	10,948	10,839	8,575	8,310	119,141
H1M4	470	278	269	1,074	405	736	873	646	643	538	356	722	7,011
O1M2	1,575	1,400	1,340	1,583	1,326	1,503	1,744	1,468	1,643	1,761	1,322	1,400	18,063
O1M2B	34	25	22	28	22	21	34	37	31	22	14	21	311
O1M2C	2,072	1,563	1,687	1,995	1,605	2,009	2,396	2,084	2,103	1,963	1,578	1,487	22,541
O1M2S	2	1	1	1	1	1	3	4	4	2	1	1	25
Misc Adj	(3,305)	(3,216)	(3,214)	(295)	(2,073)	348	(728)	(1,650)	(1,684)	(3,518)	(3,848)	(3,838)	(27,023)
Total Residential	536,835	412,845	408,736	432,280	438,096	534,924	590,177	546,734	600,461	476,574	420,187	430,221	5,835,071
Commercial	237,373	210,764	211,326	226,605	223,325	257,482	307,507	296,070	326,661	256,505	227,469	213,550	2,994,638
A2M4	649	461	508	548	661	899	1,347	1,382	1,573	1,150	1,013	614	10,805
A2M4C	37,325	30,002	26,748	31,165	32,000	31,834	38,393	36,222	39,524	30,677	27,847	25,815	387,552
A2M4D	0	0	129	143	364	268	301	260	300	279	250	400	2,694
A2M4M	31,861	23,750	25,840	27,689	28,411	28,947	33,184	33,679	36,951	29,402	27,195	24,240	351,149
B2M4	392	297	280	348	300	292	489	410	437	387	276	190	4,077
H2M4	1	1	2	1	1	1	4	3	1	3	2	3	26
O2M2	875	732	952	1,053	815	905	1,014	842	1,008	1,124	968	985	11,273
O2M2B	37	37	43	44	47	44	114	96	34	47	25	31	601
O2M2C	37	85	90	52	37	105	82	64	61	47	30	33	722
O2M2D	200	234	219	265	211	208	259	198	270	276	191	190	2,720
O2M2E	35	71	66	84	72	60	66	47	55	58	37	49	699
Misc Adj	(2,845)	(1,590)	(2,621)	(705)	(1,179)	(986)	(1,683)	(963)	(1,011)	(4,320)	(1,374)	(1,297)	(19,666)
Total Commercial	305,941	264,844	263,561	287,292	285,064	320,060	381,076	368,311	406,774	315,636	283,929	264,802	3,747,290
Industrial	4,311	5,030	5,092	5,840	5,330	5,566	6,799	6,280	6,908	5,482	5,306	4,957	66,899
A3M4	25,511	32,161	30,361	33,653	27,151	25,845	41,482	44,486	48,098	37,560	33,410	32,549	412,267
Misc Adj	0	0	0	0	0	0	0	0	0	(1)	(31)	0	(31)
Total Industrial	29,822	37,191	35,452	39,493	32,480	31,411	48,280	50,766	55,005	43,011	38,716	37,506	479,134
OPA	35,146	32,517	31,320	36,594	41,060	53,703	68,796	65,154	72,196	47,862	39,633	37,307	561,289
A4M4	7,076	4,518	2,904	4,200	4,370	4,178	4,607	5,260	6,689	4,229	3,706	3,831	55,569
A4M4C	51,946	50,251	59,465	57,218	59,280	64,255	73,121	82,708	85,016	69,312	57,556	52,874	763,002
B4M4	227	230	289	322	339	298	234	355	558	302	283	183	3,619
B4M4A	2,398	4	38	52	29	25	10	11	43	41	36	39	2,726
B4M4M	17	1	31	22	22	16	3	3	22	30	26	23	217
O4M2	22	96	113	28	29	34	39	51	17	111	21	24	586
Misc Adj	(689)	52	(2,572)	(61)	335	(8,179)	(55)	(60)	(203)	3,589	651	(109)	(7,300)
Total OPA	96,144	87,669	91,588	98,376	105,464	114,331	146,756	153,481	164,339	125,476	101,912	94,170	1,379,708
OWU	38,758	24,910	23,082	25,778	22,949	44,048	31,844	40,584	44,005	29,097	25,478	23,287	373,820
A5M4	735	632	577	607	580	666	925	836	897	354	242	466	7,518
A5M4C	4,712	4,128	4,278	4,668	4,988	4,802	5,406	4,957	8,289	4,771	5,005	6,262	62,265
B5M4	0	0	0	0	0	0	0	0	0	0	47	46	132
Misc Adj	(3,534)	0	0	0	0	0	0	(1)	(1)	0	0	0	(3,534)
Total OWU	40,670	29,670	27,937	31,054	28,517	49,516	38,175	46,377	53,191	34,269	30,771	30,054	440,201
Misc	1	0	0	0	0	0	0	0	0	1	0	0	3
Total Misc	1	0	0	0	0	0	0	0	0	1	0	0	3
Grand Total	1,009,414	832,219	827,275	895,495	889,621	1,050,243	1,204,465	1,165,669	1,279,770	994,966	875,515	856,754	11,881,406



Kentucky American Water Company  
 Case No. 2012-00520  
 Data Request AG 1-170

Class	2012												Total
	Rate Schedule												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Residential	448,515	398,570	400,329	417,768	439,191	602,553	702,592	636,362	508,205	496,860	449,052	403,039	5,903,036
A1M4	144	111	113	142	194	331	307	181	248	93	54	20	1,937
A1M4C	235	94	88	129	561	1,123	2,163	871	1,229	313	274	66	7,146
A1M4M	5	5	6	6	3								25
B1M1	10,351	8,203	8,654	9,923	8,881	11,961	13,291	11,459	12,355	8,755	8,298	10,154	122,284
B1M4	634	268	328	390	324	674	1,005	647	832	339	449	607	6,497
H1M4	1,566	1,385	1,408	1,531	1,415	1,747	1,609	1,673	1,866	1,367	1,472	1,513	18,551
O1M2	31	22	22	26	19	28	51	43	27	16	16	28	328
O1M2B	2,016	1,682	1,677	1,812	1,676	2,688	2,848	2,151	2,914	1,788	1,607	2,053	24,912
O1M2C	1	1	2	1	1	1	4	4	5	2	1	2	28
O1M2S	(2,409)	(925)	(14,615)	(423)	805	(751)	(1,646)	3,218	1,610	(3,860)	(1,406)	(2,373)	(22,777)
Misc Adj	461,088	409,417	398,012	431,305	453,070	620,353	722,224	656,610	529,291	505,672	459,817	415,111	6,061,969
Total Residential	2,189,970	2,064,435	2,087,791	2,203,364	2,388,688	2,979,797	3,529,927	3,508,859	3,162,655	2,657,781	2,439,903	2,158,875	31,368,837
Commercial	468	521	583	932	874	1,067	1,383	1,295	892	729	767	531	10,040
A2M4	25,115	23,279	24,591	27,743	30,043	36,276	40,133	45,223	39,403	49,975	31,127	25,629	398,537
A2M4C	388	195	177	132	125	138	131	149	207	188	209	217	2,207
A2M4D	24,870	25,690	24,172	26,802	29,068	33,614	34,027	38,574	28,668	28,808	33,238	27,851	355,382
A2M4M	198	202	193	328	386	470	404	441	316	198	312	312	3,777
B2M4	3	2	3	1	2	3	7	2	3	3	2	4	37
H2M4	994	804	710	752	651	747	694	690	839	712	696	767	9,056
O2M2	34	31	28	34	44	64	80	51	59	38	32	31	527
O2M2B	25	25	18	30	21	57	30	43	40	27	40	40	396
O2M2C	167	185	382	408	218	255	242	232	261	221	250	551	3,372
O2M2S	54	52	58	52	28	34	23	21	31	28	27	44	453
Misc Adj	(1,056)	9,090	4,424	3,465	732	(789)	(1,935)	(3,293)	(288)	209	2,037	(12,681)	(85)
Total Commercial	270,231	266,513	264,080	281,045	300,822	369,831	428,212	434,248	386,823	347,035	312,528	259,171	3,920,539
Industrial	5,010	5,985	5,778	6,873	6,574	7,622	9,173	8,990	8,796	6,956	6,107	5,950	83,813
A3M4	32,240	34,622	34,661	0	212	254	222	222	320	255	278	0	103,286
A3M4C	0	0	0	37,785	35,351	40,710	46,795	46,590	52,540	34,003	37,499	35,610	366,884
Misc Adj	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Industrial	37,250	40,607	40,439	44,658	42,138	48,586	56,190	55,802	61,655	41,214	43,884	41,560	553,983
OPA	32,813	34,213	32,446	36,463	49,019	65,816	89,911	80,781	85,956	56,724	48,141	46,903	659,183
A4M4	4,155	3,032	3,852	2,988	3,883	5,020	5,548	5,336	6,410	3,649	4,315	3,719	51,907
A4M4C	46,538	46,366	42,094	56,916	50,086	75,213	72,875	86,195	95,838	69,127	65,101	56,743	763,093
B4M4	226	214	199	214	234	186	215	373	251	203	177	204	2,696
B4M4A	61	35	24	38	31	17	5	12	63	52	43	61	443
B4M4M	27	21	22	31	28	15	3	4	28	57	37	49	322
O4M2	22	25	22	31	30	35	53	68	28	27	20	21	384
Misc Adj	(264)	(35)	(1,489)	(4,064)	601	222	(61)	(580)	(5)	447	1,721	(7,527)	(11,034)
Total OPA	83,577	83,871	77,170	92,616	103,913	146,523	168,550	172,190	188,570	130,286	119,555	100,174	1,466,995
OWU	26,836	23,813	23,990	22,145	26,272	40,021	33,308	61,413	44,658	28,885	32,222	24,048	387,611
A5M4	4,346	5,44	946	522	527	809	744	1,381	535	328	393	387	11,462
A5M4C	4,688	5,911	4,282	4,208	4,453	5,226	5,473	5,238	6,852	3,790	5,011	5,024	60,156
B5M4	37	34	54	38	46	38	53	40	48	27	28	178	621
Misc Adj	(1,052)	(118)											(1,171)
Total OWU	34,855	30,183	29,271	26,914	31,298	46,095	39,577	68,072	52,093	33,029	37,654	29,637	458,679
Misc	0	0	0	0	0	0	0	0	0	0	0	0	45
BULK	0	0	0	0	0	0	0	0	0	0	0	0	45
LOCAL	0	0	0	0	0	0	0	0	0	0	0	0	45
Total Misc.	0	0	0	0	0	0	0	0	0	0	0	0	45
Grand Total	887,001	830,591	808,972	876,537	931,241	1,231,388	1,414,753	1,386,921	1,218,432	1,057,237	973,439	845,696	12,462,209

Kentucky American Water Company  
Case No. 2012-00520  
Data Request AG 1-170

2005														
Customers														
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average	
KY	1302	Customers-Residential	99,442	99,551	99,801	100,043	100,356	100,603	100,748	101,265	101,684	101,788	101,787	100,729
	1303	Customers-Commercial	8,165	8,180	8,179	8,213	8,235	8,276	8,283	8,289	8,280	8,266	8,268	8,241
	1304	Customers-Industrial	20	20	20	20	21	22	22	22	22	21	21	21
	1306	Customers-OPA	483	483	482	483	482	482	482	483	482	483	483	483
	1307	Customers-Sales for Resale	10	10	10	10	10	10	10	10	10	10	10	10
	1308	Customers-Miscellaneous	0	0	6	7	7	7	7	7	7	7	7	8
KY Total			108,120	108,244	108,498	108,776	109,111	109,400	109,552	110,076	110,485	110,575	110,576	109,490

2006														
Customers														
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average	
KY	1302	Customers-Residential	101,740	102,836	103,237	103,351	103,647	103,901	104,025	104,444	104,715	104,797	104,822	103,858
	1303	Customers-Commercial	8,264	8,371	8,374	8,421	8,475	8,509	8,535	8,554	8,584	8,584	8,586	8,487
	1304	Customers-Industrial	21	23	23	23	23	23	23	23	23	23	23	23
	1306	Customers-OPA	484	484	484	485	485	484	484	485	487	487	487	485
	1307	Customers-Sales for Resale	10	10	10	10	10	10	10	10	11	11	11	11
	1308	Customers-Miscellaneous	15	15	28	29	29	29	33	35	35	35	36	30
KY Total			110,534	111,739	112,156	112,319	112,669	112,956	113,110	113,552	113,855	113,937	113,965	112,893

2007														
Customers														
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average	
KY	1302	Customers-Residential	104,801	104,890	105,065	105,303	105,481	105,506	105,490	105,935	106,121	106,151	106,047	105,572
	1303	Customers-Commercial	8,586	8,580	8,585	8,626	8,633	8,665	8,659	8,675	8,667	8,625	8,595	8,623
	1304	Customers-Industrial	21	21	21	21	21	21	21	21	21	21	21	21
	1306	Customers-OPA	485	485	485	485	485	485	486	489	490	491	489	487
	1307	Customers-Sales for Resale	11	11	11	13	13	13	13	13	13	13	13	13
	1308	Customers-Miscellaneous	35	35	35	33	32	32	34	31	32	31	31	33
KY Total			113,939	114,022	114,202	114,481	114,665	114,722	114,703	115,164	115,344	115,332	115,196	114,748

2008														
Customers														
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average	
KY	1302	Customers-Residential	106,086	106,072	106,293	106,292	106,529	106,581	106,814	107,224	107,195	107,161	107,082	106,694
	1303	Customers-Commercial	8,586	8,579	8,574	8,739	8,749	8,747	8,741	8,778	8,793	8,788	8,766	8,716
	1304	Customers-Industrial	21	21	21	21	21	21	21	21	21	22	22	21
	1306	Customers-OPA	489	494	497	495	497	499	503	503	505	505	505	500
	1307	Customers-Sales for Resale	11	11	11	11	11	11	11	11	11	12	12	11
	1308	Customers-Miscellaneous	33	33	33	33	33	34	35	34	34	34	33	33
KY Total			115,226	115,210	115,429	115,591	115,840	115,892	116,124	116,572	116,559	116,522	116,420	115,976

Kentucky American Water Company  
Case No. 2012-00520  
Data Request AG 1-170

**2009**  
**Customers**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
1302 Customers-Residential	106,914	106,974	107,009	107,178	107,311	107,362	107,379	107,642	107,598	107,654	107,596	107,500	107,343
1303 Customers Commercial	8,731	8,716	8,722	8,769	8,793	8,810	8,801	8,797	8,809	8,794	8,749	8,760	8,771
1304 Customers Industrial	22	22	22	22	21	22	22	22	22	22	21	22	22
1306 Customers-OPA	504	503	501	501	503	514	518	515	519	518	519	519	511
1307 Customers-Sales for Resale	12	12	12	12	12	12	12	12	12	12	12	12	12
1308 Customers-Miscellaneous	33	34	34	34	34	34	34	34	34	34	34	34	34
<b>KY Total</b>	<b>116,216</b>	<b>116,261</b>	<b>116,300</b>	<b>116,516</b>	<b>116,674</b>	<b>116,754</b>	<b>116,766</b>	<b>117,022</b>	<b>116,994</b>	<b>117,034</b>	<b>116,931</b>	<b>116,847</b>	<b>116,693</b>

**2010**  
**Customers**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
1302 Customers-Residential	107,578	107,757	107,860	108,117	108,241	108,223	108,325	108,424	108,472	108,347	108,291	108,389	108,169
1303 Customers Commercial	8,716	8,700	8,717	8,741	8,769	8,797	8,798	8,805	8,814	8,800	8,780	8,766	8,767
1304 Customers Industrial	23	23	23	23	23	23	23	22	23	23	23	22	23
1306 Customers-OPA	522	524	529	532	532	532	529	532	533	531	525	524	529
1307 Customers-Sales for Resale	12	12	12	12	12	12	12	12	12	12	12	12	12
1308 Customers-Miscellaneous	34	34	34	35	34	34	34	34	34	34	34	34	34
<b>KY Total</b>	<b>116,885</b>	<b>117,050</b>	<b>117,175</b>	<b>117,460</b>	<b>117,611</b>	<b>117,621</b>	<b>117,721</b>	<b>117,829</b>	<b>117,888</b>	<b>117,747</b>	<b>117,665</b>	<b>117,747</b>	<b>117,533</b>

**2011**  
**Customers**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
1302 Customers-Residential	108,446	108,390	108,590	108,838	109,038	109,020	109,105	109,295	109,354	109,302	109,207	109,071	108,971
1303 Customers Commercial	8,757	8,722	8,717	8,739	8,754	8,777	8,784	8,784	8,778	8,767	8,757	8,735	8,756
1304 Customers Industrial	22	22	22	23	23	23	23	23	23	23	23	23	23
1306 Customers-OPA	528	525	526	528	527	527	531	532	534	532	530	532	529
1307 Customers-Sales for Resale	12	12	12	12	12	12	12	12	13	13	13	13	12
1308 Customers-Miscellaneous	34	36	44	44	44	44	43	43	43	43	43	43	42
<b>KY Total</b>	<b>117,799</b>	<b>117,707</b>	<b>117,911</b>	<b>118,184</b>	<b>118,398</b>	<b>118,403</b>	<b>118,498</b>	<b>118,689</b>	<b>118,745</b>	<b>118,680</b>	<b>118,573</b>	<b>118,417</b>	<b>118,334</b>

**2012**  
**Customers**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average
1302 Customers-Residential	109,285	109,508	109,782	110,019	110,165	110,453	110,556	110,784	110,879	110,846	110,808	110,935	110,335
1303 Customers Commercial	8,718	8,704	8,709	8,758	8,786	8,813	8,834	8,833	8,842	8,812	8,801	8,782	8,783
1304 Customers Industrial	23	23	23	24	24	24	25	25	25	25	24	24	24
1306 Customers-OPA	531	531	529	531	533	533	534	535	534	533	534	532	533
1307 Customers-Sales for Resale	13	13	13	13	13	13	13	13	13	13	13	13	13
1308 Customers-Miscellaneous	46	46	46	46	46	46	46	46	46	46	46	46	46
<b>KY Total</b>	<b>118,616</b>	<b>118,825</b>	<b>119,102</b>	<b>119,391</b>	<b>119,567</b>	<b>119,882</b>	<b>120,008</b>	<b>120,236</b>	<b>120,339</b>	<b>120,275</b>	<b>120,226</b>	<b>120,332</b>	<b>119,733</b>