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Exhibit No.: 106  
Issues: UPIS Additions  
Witness: Kevin H. Dunn.  
Exhibit Type: Direct  
Sponsoring Party: Missouri-American Water Company  
Case No.: WR-2010-XXXX  
SR-2010-XXX  
Date: October 30, 2009

**MISSOURI PUBLIC SERVICE COMMISSION**

**CASE NO. WR-2010-XXXX  
CASE NO. SR-2010-XXX**

**DIRECT TESTIMONY**

**OF**

**KEVIN H. DUNN**

**ON BEHALF OF**

**MISSOURI-AMERICAN WATER COMPANY**

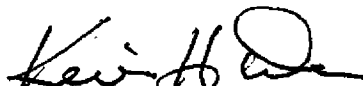
MAWC Exhibit No. 106  
Date 5-17-10 Reporter KF  
File No. WR-2010-031

BEFORE THE PUBLIC SERVICE COMMISSION  
OF THE STATE OF MISSOURI

IN THE MATTER OF MISSOURI-AMERICAN )	
WATER COMPANY FOR AUTHORITY TO )	
FILE TARIFFS REFLECTING INCREASED )	CASE NO. WR-2010-XXXX
RATES FOR WATER AND SEWER )	CASE NO. SR-2010-XXX
SERVICE )	

AFFIDAVIT OF KEVIN H. DUNN

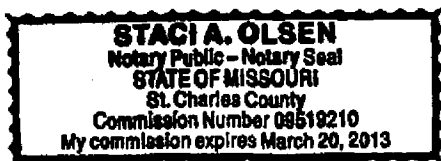
Kevin H. Dunn, being first duly sworn, deposes and says that he is the witness who sponsors the accompanying testimony entitled "Direct Testimony of Kevin H. Dunn"; that said testimony and schedules were prepared by him and/or under his direction and supervision; that if inquires were made as to the facts in said testimony and schedules, he would respond as therein set forth; and that the aforesaid testimony and schedules are true and correct to the best of his knowledge.

  
\_\_\_\_\_  
Kevin H. Dunn

State of Missouri  
County of St. Louis  
SUBSCRIBED and sworn to  
Before me this 26<sup>th</sup> day of October 2009.

  
\_\_\_\_\_  
Notary Public

My commission expires:



**DIRECT TESTIMONY  
KEVIN H. DUNN  
MISSOURI-AMERICAN WATER COMPANY  
CASE NO.WR-2010-XXXX  
CASE NO.SR-2010-XXX**

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**DIRECT TESTIMONY**

**Kevin H. Dunn**

**I. WITNESS INTRODUCTION**

1 **Q. STATE YOUR NAME AND BUSINESS ADDRESS.**

2 A. Kevin H. Dunn, 727 Craig Rd., St. Louis, MO 63141.

3

4 **Q. BY WHOM ARE YOU EMPLOYED AND IN WHAT CAPACITY?**

5 A. I am employed by Missouri-American Water Company ("MAWC" or "Company")  
6 as Director, Engineering.

7

8 **Q. WHAT IS YOUR EDUCATIONAL BACKGROUND?**

9 A. I received my Bachelor of Science degree in Civil Engineering from the University  
10 of Missouri - Columbia in 1984.

11

12 **Q. ARE YOU A LICENSED PROFESSIONAL ENGINEER?**

13 A. Yes, I am a registered Professional Engineer in Missouri.

14

15 **Q. DO YOU HOLD OTHER RELATED WATER CERTIFICATES?**

16 A. Yes, I have Class A and DSIII Public Water Supply Operator Certificates from the  
17 Missouri Department of Natural Resources.

18

1 **Q. PLEASE DESCRIBE YOUR BUSINESS EXPERIENCE IN THE WATER**  
2 **UTILITY INDUSTRY.**

3 A. In 1984, I began work with St. Louis County Water Company as a System  
4 Engineer. This work included the participation in various designs and relocations  
5 and installations of mains throughout St. Louis County. From 1989 to 1994, I was  
6 in charge of various water treatment plant facility operations, maintenance and  
7 capital projects, leading to being promoted to Superintendent of all St. Louis  
8 County water treatment facilities. In August of 1994, I was transferred back into  
9 Engineering, first as Special Projects Engineer and, then, Superintendent of  
10 Production Engineering where I oversaw or performed the project management  
11 of various major water treatment facility upgrades, depreciation studies, planning  
12 studies to match future growth, and maintenance studies to determine life cycle  
13 replacements. After the merger with Missouri-American Water Company in  
14 1999, I performed this similar role under the title of Engineering Manager and I  
15 was responsible for the eastern districts in Missouri, which included St. Louis  
16 County, St. Charles, Mexico, and Jefferson City. In 2002, I was promoted to  
17 Director of Engineering for Missouri and became responsible for all the capital  
18 projects and planning for all of the Missouri Districts. In 2004, I was promoted to  
19 American Water, Central Region Director, Production, where I was responsible  
20 for all water and waste water treatment facilities in the Central Region. This  
21 mainly consisted of directing the treatment operations and maintenance work for  
22 the American Water districts located in Missouri, Illinois, Iowa, Indiana, Ohio, and  
23 Michigan. In late 2007, I was transferred to my current position as Director;

1 Engineering for MAWC.  
2

3 **Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?**

4 A. The purpose of this testimony is to describe the Company's investments in and  
5 additions to Plant in Service since the end of the true up period of MAWC's last  
6 rate case, September 30, 2008.  
7

8 **II. UPIS ADDITIONS**

9 **Q. WHAT ARE MAWC'S EXPECTED INVESTMENTS IN PLANT IN SERVICE**  
10 **FROM OCTOBER 1, 2008 THROUGH APRIL 30, 2010?**

11 A. The anticipated investments in capital additions, by District, are indicated in the  
12 table below:

	<b>Anticipated Investments thru April 2010</b>
Brunswick	199,318
Jefferson City	910,522
Joplin	4,445,083
Mexico	1,508,205
Platte County	2,223,779
St. Joseph	2,604,409
St. Louis Metro	83,062,512
Warrensburg	570,862
Warren County Water	136,221
Cedar Hill Sewer	292,074
Parkville Sewer	0
Warren County Sewer	75,894
<b>TOTAL</b>	<b>96,028,878</b>

1

2

**Q. PLEASE LIST THE SIGNIFICANT CAPITAL PROJECTS THAT ARE OR WILL BE COMPLETED DURING THIS PROCEEDING.**

3

4

**A. Significant individual projects at each district are as follows:**

5

**Brunswick**

6

- Completion of Office Building (Laboratory equipment, SCADA, Laboratory Countertops, etc.)

7

8

- Automate Pressure Filter Valves

9

- Replace 2" main on Orange Street with 500 ft of 6" main.

10

**Jefferson City**

11

- Install 300 ft of 8" main on Jackson St

12

- Replace Filter Media for Filters 1, 2, 3 & 4

13

- Install bypass line around purchase water meter at North Jefferson City connection

14

15

- Replace Lime Dust Collector

16

- Replace 1¼" main on Marshall St with 500 ft of 8" main

17

**Joplin**

18

- Complete Blendville Water Treatment Plant Improvements

19

- High service pump and valve replacement

20

- Clearwell overflow piping

21

- Filter to waste piping

22

- Security devices

23

- Miscellaneous electrical and lighting

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- o Final grading and landscaping

- Complete Service Center including security
- Rehabilitate the Hill St Booster Station, replacing existing pumps and electrical switchgear
- Convert hypochlorite feed system at well sites to gaseous chlorine feed

#### Mexico

- Replace Well Pumps #5 and #6
- Replace the Incoming Electrical Service to Wells #2 and #3
- Replace 2" main on Mississippi Street with 1500 ft of 8" main
- Install 1559 ft of 12" main on Cunningham Rd
- Install PVC liner in the existing 10" main located on the Norfolk and Southern Railroad Right of Way
- Replace 6" main on Pollock Rd with 1600 ft of 8" main
- Purchase Valve Operating Machine with Vacuum attachment

#### Platte County

- Complete the Northwestern system 12" main addition to Thousand Oaks Tank
- Install 790 ft of 16" main on West Platte Rd
- Replace Electrical Equipment at the Congress Rd Booster
- Replace Well #6 Vertical Turbine Pump
- Replace 6" main on 72<sup>nd</sup> St with 2000 ft of 12" main
- Replace Filter Media



1 St. Joseph

- 2 • Replace Treatment Plant Switchgear Power Monitoring Equipment
- 3 • Rewire the Distribution Center for IT Equipment Connectivity
- 4 • Replace Chlorine Valve and Actuators for Automatic Switchover
- 5 • Replace Clarifier Blowdown pump electrical conduit
- 6 • Replace 220 ft of 20" main on Illinois Ave beneath the railroad tracks
- 7 • Purchase a multi-sensor Leak Survey device
- 8 • Install two pressure reducing valves at the location of the Fawcett Tank
- 9 • Replace #1 Distributive Pump

10 St. Louis Metro

- 11 • Complete several Main Relocations resulting from Public Works
- 12 Improvements
  - 13 ○ Replace 20", 24", and 36" mains on Olive St Rd with 2800 ft of 42"
  - 14 main in conjunction with the MODOT Rte 141 Stimulus Project
  - 15 ○ Relocate 1200 ft of 20" main on Gravois Rd
  - 16 ○ Relocate 1150 ft of 12" main on Big Bend Rd
  - 17 ○ Relocate 582 ft of 6" main on Jennings Station Rd
  - 18 ○ Relocate 412 ft of 20" main at Hanley Rd and Eager Rd in
  - 19 conjunction with the Hwy 40/64 Project
  - 20 ○ Relocate 524 ft of 20" main on Warson Rd
  - 21 ○ Relocate 1198 ft of 36" main and 801 ft of 8" main on Lackland Rd
  - 22 ○ Relocate 169 ft of 8" main and 41 ft of 6" main on Kimberly Ln in St.
  - 23 Charles

1                   o Replace 18" and 12" mains with 7100 ft of 24" main on Page Ave

2                   Highway Relocation Project in St. Charles

- 3                   • Replace mains as part of the obsolete main replacement program
- 4                   • Install ADT Security System at the Service Center and Main Office
- 5                   • Upgrade High Service Low Pump #1 Electrical Controls
- 6                   • Replace South Plant North Basin Softener Gearbox
- 7                   • Replace Central Plant Laboratory Roof
- 8                   • Replace two North Plant West Basin High Service Valves
- 9                   • Replace four Central Plant 3 High Service Pumps
- 10                  • Replace Central Plant 3 High Service Pump Check Valves #7 & #8
- 11                  • Replace two Air Wheel Drives on Central Plant 3B Primary Flocc Basin
- 12                  • Replace High Service Low Pump #5
- 13                  • Replace filter media in Central Plant Filter Plant #2 Filter #12
- 14                  • Replace Service Center Roof
- 15                  • Install Variable Frequency Drives on the Florissant Tank Site pumps
- 16                  • Replace office wastewater lift station pumps
- 17                  • Purchase trench safety shoring equipment and trailers
- 18                  • Install 1500 ft of 8" on Valli Ln

19                  Warrensburg

- 20                  • Purchase and install new chlorine analyzer
- 21                  • Purchase SCADA Reporting Software
- 22                  • Replace two chlorine vacuum regulators
- 23                  • Replace 2" main on Madison Rd and Dan Rd with 1,400 ft of 8" main

- 1           • Install flow meters at well sites  
2           • Replace Chlorine System piping, regulators, and ejectors

3           Warren County Water

- 4           • Replace Well House Chlorine feed equipment  
5           • Install Emergency Generator

6           Cedar Hill Sewer

- 7           • Install Potable Water Well at the Sand Creek Treatment Plant  
8           • Replace 340 ft of fence at the Lagoon  
9           • Replace Sand Creek Treatment Plant Blower #3 motor and motor starter

10          Warren County Sewer

- 11          • Construct building over blowers at Waste Water Treatment Plant #2  
12          • Install Mag Meter Box at Waste Water Treatment Plant #1  
13          • Install walkway at Waste Water Treatment Plant #2  
14          • Install pH sensor and analyzer at Waste Water Treatment Plant #2

15

16    **Q.    DOES THIS CONCLUDE YOUR TESTIMONY?**

17    **A.    Yes.**