# BEFORE THE PUBLIC SERVICE COMMISSION OF WISCONSIN

Application of the Milwaukee Water Works for Authority to Increase Water Rates

Docket 3720-WR-108

# DIRECT TESTIMONY OF CARRIE LEWIS ON BEHALF OF MILWAUKEE WATER WORKS

1	Q.	Please state your name and business address.
2	A.	My name is Carrie Lewis. My business address is 841 N. Broadway, Room 409,
3		Milwaukee WI 53202.
4	Q.	In what capacity are you appearing as a witness?
5	A.	I am the Superintendent of Milwaukee Water Works.
6	Q.	Please describe your background.
7	A.	I have a Bachelor's of Science degree from McGill University in Montreal, Canada and a
8		Master's of Science degree from the University of Calgary in Calgary, Canada. I have
9		worked in the drinking water industry since 1982 and have been Superintendent of
10		Milwaukee Water Works since 1997.
11	Q.	What is the purpose of your testimony?
12	A.	The purpose of my testimony is to describe the revenue increase sought by Milwaukee
13		Water Works (MWW) in this rate adjustment and the key reasons for it, compare the
14		approach taken by MWW in this application to the approach taken by MWW in its 2009
15		rate increase application (Docket No. 3720-WR-107), address issues identified in the

Prehearing Conference (PSC REF# 204383), and introduce the MWW witnesses who will address different aspects of our 2014 rate increase application.

# Q. Why did Milwaukee Water Works (MWW) apply for a water rate adjustment? A. MWW's last full water rate case ("2009-11 rate case") was initiated in September 2009 with a test year of 2010. The Final Decision in this rate case was issued on February 3, 2011 (PSC REF#:144469). The approved rate increase was fully implemented on May 8, 2011. The regulatory lag associated with this full rate case resulted in foregone revenue of close to \$18 million: \$13.7 million for the 2010 test year and an additional approximately \$4.0 million in 2011 before the increase was fully implemented. MWW was not eligible to use the Simplified Rate Case process in 2012, but two rate increases using the Simplified Rate Case process were approved by the Public Service Commission of Wisconsin (PSC) effective June 1, 2013 (PSC REF#: 184601) and June 1, 2014 (PSC REF#: 203932).

The revenue requirement shortfall that occurred in 2010-2011 has been exacerbated by a continuing decline in water usage, even with the addition of four new wholesale customers since 1997. Water sales overall have decreased from 58.4 billion gallons in 1976 to 33.3 billion gallons in 2009 to 30.6 billion gallons in 2013.

Residential, commercial and industrial customer classes have the largest decreases; public authority and wholesale classes show smaller changes. Ex.-MWW-Lewis-1 shows the decline in water usage by customer class since 1970. Ex.-MWW-Lewis-2 is the detail since 2009, when the last full rate case was filed. There was an increase in water sales in the hot, dry year of 2012, but 2013 water sales fall right in line with the overall continued decreasing trend.

1		Expenses have been increasing. Electric rates have increased 15% since 2009,
2		along with an increase due to the expiration of Point Beach credits from which the utility
3		had benefitted since 2008. Actuarial pension contributions exceeding \$1.1 million per
4		year are required from 2012 through at least 2018. Office supplies, property insurance,
5		and rents for administrative office space have increased. Starting in 2010, MWW has
6		acknowledged the uncollectible nature of bankruptcy cases and has so far written off \$1.2
7		million in uncollectible bills. The Payment in Lieu of Taxes has increased due to a
8		combination of investments in infrastructure which added to the rate base and increasing
9		local tax rates. Treatment expenses are generally on the increase due to repairs.
10		Regulatory and legislative requirements for additional water quality monitoring (from the
11		US Environmental Protection Agency), orders to increase pressure in some areas of the
12		MWW water distribution system (from the Wisconsin Department of Natural Resources)
13		and additional activities related to compliance with 2013 Wis. Act 25 relating to state
14		municipal utility customer privacy laws have all contributed to increasing costs.
15	Q.	What steps has MWW taken to mitigate the need for a rate increase?
16	A.	MWW has done a creditable job with utility finances, resizing and restructuring
17		throughout the organization to reduce costs. Examples include:
18		• Increasing the payment channels for the municipal services bill to include payments
19		over the web and over the telephone using e-check, MasterCard and Discover credit
20		cards. This resulted in over 438,000 payments being processed without postal and
21		lockbox handling costs, saving the utility over \$462,000 over the last five years.

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- The consolidation of the two field facilities left both the Lincoln Distribution Yard and the Cameron Distribution Yard vacant. The ownership of the 12.58 acre Lincoln Yard was transferred to the City of Milwaukee's Parking Enforcement Division, yielding annual savings to the utility and its ratepayers by eliminating the maintenance and upkeep of this facility. It also provided the utility with a one-time payment of \$272,281. The Cameron Yard facility was renovated to become the new Water Meter Services Shop, which has sufficient space to accommodate the routine Meter Services functions as well as the Automatic Meter Replacement project. The shop located on S. Kinnickinnic Avenue will be sold or transferred to another city department, removing it from MWW's operating and maintenance budget.
- In 2008, the Milwaukee metropolitan area received amounts of rainfall that exceeded the control capacity of both manmade and natural water systems. This flooding event damaged the Menomonee Valley Pumping Station for the fourth time since 1937.

  After reviewing alternatives, it was decided to decommission the station and modify the utility's distribution system to perform the functions provided by the station. This project yielded operation and maintenance savings associated with the operation of

- this aged facility, and provided the utility with a one-time revenue injection in 2011 of \$297,500 when the land was sold to Milwaukee County.
  - MWW continues to implement the systems necessary for the automated operation of
    the Howard Avenue Water Treatment Plant, in conformance with requirements of the
    Department of Natural Resources for remote operation of a facility of this type.
     Benefits will include reduction of operations and management staff.

### 7 Q. What approach did MWW take in this rate increase process?

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First and foremost, MWW resolved to approach the ratemaking in a fair and unbiased manner to produce a result that would be equitable to all ratepayers. An important part of that approach included gathering and utilizing data to replace assumptions where it was possible to do so. When data or new information was available to update aspects of the Cost of Service used in the 2009-11 rate case, these were used. Mr. John Wright of Raftelis Financial Consultants, Inc. ("Raftelis") will provide information about the methodologies used in this rate case in his testimony on this topic.

The most significant data gap identified in the 2009–11 rate case was in the area of customer demand ratios. The 2009–11 rate case was the first rate case in which the PSC considered each of MWW's wholesale customers as individual classes, yet there were very limited data available to PSC staff for water use patterns for each individual utility. On the retail side, the most recent actual data for use patterns came from a study done by Black & Veatch in 1977, a year in which MWW sold 54.7 billion gallons of water, compared to 2010's 32.4 billion gallons. The customer demand ratios used in the 2009–11 rate case were the same as those used in MWW's 2007 rate case, which were "virtually unchanged from those used in docket 3720-WR-101 in 1990" (PSC REF#:

144469, at 13). Those 1990 ratios were themselves based on assumptions made from water use in 1988, a year with an extremely hot and dry summer.

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To ensure that actual data would be available in the next rate case, MWW engaged Trilogy Consulting, LLC ("Trilogy") in 2012 to design and conduct a study to gather and analyze data for the purpose of updating customer class demand ratios. These updated ratios were used to prepare the Cost of Service. Data collected in this study also support a new rate structure for residential customers that better corresponds to their actual water usage. Testimony on this study will be presented by Mr. Erik Granum and Ms. Christine Cramer of Trilogy.

In this 2014 conventional rate increase application, MWW has prepared and submitted a cost of service study and proposed rate design along with the revenue requirement application. (In the 2009-11 rate case, MWW relied on PSC staff to prepare the cost of service study and proposed rate design.) MWW engaged external water industry consultants to prepare the revenue requirement, cost of service, and rate design components of the rate application. (In the 2009 rate case, MWW did not utilize the services of external consultants.) MWW is also submitting comprehensive testimony in support of the revenue requirement, cost of service, and rate design components of the rate application. (In the 2009-11 rate case, MWW filed only limited testimony in support of the rate increase application.)

### Q. How did MWW determine the magnitude of the requested rate increase?

MWW sought a fair and equitable rate structure, with a rate of return (ROR) that would allow for increased investment in infrastructure, would continue the 1% differential ROR authorized in the 2009-11 rate case, would have an impact to all customers that was not

overly burdensome, and would have resulting rates remain competitive regionally and
nationally. MWW also wished to retain a declining block rate structure. There is no
transfer of surplus earnings (or "dividend") to the City of Milwaukee contemplated in the
test year or future years.

On March 4, 2014 MWW filed a Revenue Requirements Application based on a ROR of 4.5% for retail customer classes and 5.5% for wholesale customer classes, yielding a blended ROR of 4.63% and an increase in revenue of \$10.1 million. PSC staff performed their review of the application and with their adjustments, the increase in revenue was revised downward to \$9.3 million. See Ex.-MWW-Brandt-4 (PSC REF#:203844). It should be noted that at the time of the initial filing the revenues were compared to revenues generated from rates prior to the increases from the Simplified Rate Case effective June 1, 2014. See Ex.-MWW-Lewis-17 (PSC REF#: 203932). In the Revised Revenue Requirements Application dated May 30, 2014, Ex-MWW-Brandt-2 (PSC REF#: 205543), the revenue increases are calculated relative to revenues generated from rates after the increases from the Simplified Rate Case effective June 1, 2014.

In response to the combination of an extremely harsh winter, the catastrophic failure of the transmission line at the Texas Avenue Pumping Station and resulting water main breaks, and the encouragement of PSC staff to increase investment in MWW's infrastructure, MWW filed a revised Revenue Requirements Application on May 30, 2014 with a higher requested ROR (Ex.-MWW-Brandt-2).

MWW is requesting the current PSC benchmark ROR of 6.25% for wholesale customer classes and an ROR of 5.25% for retail customers leading to a blended ROR of 5.38%. Revenue generated at this ROR is \$94.9 million. The 100 basis point

differential compensates inside city customers for investments they have made to provide service to outside city wholesale customers, compensates MWW for the business risk associated with the wholesale customers' option to seek water from another source whereas MWW is obligated to serve those customers under contracts guaranteeing certain levels of water availability, and continues the structure approved in the 2009-11 rate case (PSC REF#: 144469). For further discussion of the differential ROR, please see the direct testimony of Mr. John Wright.

Reviewing the impact to customers that results from these requested ROR, MWW believes that the impact to customers is reasonable and can demonstrate that rates remain competitive both regionally and nationally. The average water use for a single-family residence in Milwaukee is 15 hundred cubic feet (Ccf) per quarter. This customer will see an increase of 5.3 cents per day, or 37 cents per week for a total quarterly bill of \$52.95. The average commercial customer uses 300 Ccf of water per quarter. This customer will see an increase of 86 cents per day, or \$6.02 per week for a total quarterly bill of \$689.25. The average industrial customer uses 5,000 Ccf per quarter. This customer will see an increase of \$15.79 per day, or \$110.53 per week, for a total quarterly bill of \$10,390.79. The overall increase to retail customer classes for this step of the rate increase is 9.2%.

In order to assess the regional competitiveness of MWW's proposed rates,
Raftelis compared the quarterly bills of Milwaukee average single family residential (15
Ccf with 5/8" meter), average commercial (300 Ccf with 1.5" meter) and average
industrial (5,000 Ccf with 4" meter) customers with the bills of the Class AB utilities in
counties bordering Milwaukee County and those in Milwaukee County not served by

MWW. The comparison is based on rates effective June 2, 2014 as posted on tariffs on the PSC website. (Ex.-MWW-Lewis-3). With the proposed rates, 15 Ccf per quarter customers in Milwaukee will pay less than corresponding customers in 12 of these regional utilities and more than only five. Milwaukee costs rank 6<sup>th</sup> lowest of the 17 utilities for the 300 Ccf per quarter customers and 9<sup>th</sup> lowest of the 17 utilities for 5,000 Ccf per quarter.

Suburban retail customers will see the same proportionate increase as urban retail customers. The average single-family customer in Greenfield, Hales Corners and St. Francis will increase 6.5 cents per day (46 cents per week) for a total quarterly bill of \$66.15. The average commercial customer will see an increase of \$1.08 per day (\$7.56 per week) for a total quarterly bill of \$861.57 and the average industrial customer will increase \$20.00 per day (\$140.00 per week) for a total quarterly bill of \$12,988.49.

For West Milwaukee, the average single-family customer will see an increase of two cents per day (14 cents per week) for a quarterly bill of \$45.22. West Milwaukee commercial and industrial customers will actually see a decrease in their bills. The West Milwaukee commercial customer using 300 Ccf of water will see a decrease of 15 cents per day (decrease of \$1.05 per week) for a total quarterly bill of \$441.87. The industrial customer using 5,000 Ccf of water will see a decrease of \$1.26 per day (decrease of \$8.82 per week) for a total quarterly bill of \$6,188.01.

With the proposed rates, the cost of water to urban retail customers remains well below average when compared to costs paid by customers of 10 other large Midwest cities that experience freezing winters, based on rate schedules of each utility effective May 20, 2014. The quarterly bill for Milwaukee's average single-family residential

customer using 15 Ccf of water per quarter is 2nd lowest of 11 comparable utilities. This customer pays more than only one city (Chicago) and less than nine others (Pittsburgh, Toledo, Indianapolis, Columbus, Cleveland, Akron, St. Louis, Cincinnati and Detroit, listed in order of most to least costly quarterly bills). Milwaukee's average commercial customer using 300 Ccf of water per quarter is fourth lowest, paying more than only three of these cities (Chicago, Cincinnati and St. Louis) and the average industrial customer using 5,000 Ccf of water per quarter is also fourth lowest, paying more than only three (Detroit, Cincinnati and St. Louis). Ex.-MWW-Lewis-3 depicts the quarterly costs of various water usage for these Midwestern utilities.

In a survey released on May 7, 2014 (Ex.-MWW-Lewis-4), the Circle of Blue, an association of journalists and scientists based in Traverse City, MI, compared the cost of water in 30 cities nationwide for a family of four using 50 gallons of water per person per day. Milwaukee's cost ranked 13<sup>th</sup> lowest in this survey, another validation of the great value that is Milwaukee's drinking water.

The overall increase to wholesale customer classes is 26.1%. This increase is largely due to the utilization of actual customer demand ratios in place of the assumptions used in the 2009-11 rate case. Utilization of the actual ratios as measured and calculated for each wholesale customer class to develop MWW's Cost of Service is a significant factor in designing a fair and equitable rate structure for our wholesale customers. These wholesale customers, of course, set their own rates for their customers and purchasing water from MWW is only one part of their utility costs.

Even with the proposed increase, wholesale customers of MWW will receive great value in the price per Ccf that they pay, when compared to prices paid by other

Wisconsin utilities purchasing water wholesale. Ex.-MWW-Lewis-5 shows the prices paid by 28 utilities buying water wholesale from other utilities in Wisconsin. The rates shown for Milwaukee customers are the rates proposed in this rate case. The rates shown for non-Milwaukee customers were obtained by Trilogy from those utilities' tariffs and ongoing rate proceedings posted on the PSC websites in May 2014. All of Milwaukee's wholesale customers' costs are at or below the 50th percentile. Ten of the 15 lowest-prices per Ccf are those proposed for Milwaukee's wholesale customers.

### What is the status of the "Use Water Wisely" program?

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The Use Water Wisely program is in its fourth year. This collaborative effort with Clean Wisconsin was initiated in the 2009-11 rate case as a consumer outreach program to effectively change consumer behavior to reduce wasted water and lower water costs for the utility's retail customers. Materials were specially designed for customers to relate to Milwaukee and environs. Materials are distributed by Meter Services technicians as they replace water meters and investigate high water usage premises, by Department of Neighborhood Services Permit Center employees to owners and plumbers as they apply for permits to perform plumbing work and at landlord training sessions, and at a variety of public events. These materials are also made available to customers who call or visit MWW's Customer Service Center. A complete summary of activities is presented in Ex.-MWW-Lewis-6.

"Use Water Wisely" was honored with the Utility Special Achievement Award from the Wisconsin Water Association in 2011.

The program has also been very well received by customers—96% of those who returned feedback cards have said they found the information useful and 33% said they found and fixed leaks in their homes.

### Q. Does MWW have plans to expand these types of activities?

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- MWW plans to continue the "Use Water Wisely" program, practicing supply side

  conservation, and the other sustainability practices identified in Ex.-MWW-Lewis-7. At

  the urging of Clean Wisconsin, MWW will review the 2011 PSC/DNR "Water Efficiency

  Potential Study for Wisconsin" report and the Alliance for Water Efficiency's Water

  Conservation Tracking Tool for practices that may be applicable to MWW's situation.
- Q. Why is the "Use Water Wisely" program not included in Schedule 19 of the RateApplication?
  - It is my understanding that Schedule 19 is used to report on PSC-approved conservation programs. The "Use Water Wisely" program does not fall into this category. MWW is in the enviable position of having ample water supply as well as ample treatment and pumping capacity. Water used is returned to the Great Lakes basin. Avoiding future capital investment that would be needed to accommodate growth, often an important driver in a conservation program, is not an issue for MWW. In fact, continued declining water usage itself necessitates capital investment as facilities are downsized to function more efficiently with reduced water flows. MWW uses sustainable practices such as supply side conservation, water accountability, energy conservation, operational efficiency, and consumer advocacy to "Use Water Wisely." These practices ensure the long-term availability of safe and affordable drinking water while considering other water uses.

- 1 Q. Should the Commission order an Economic Development Rate (EDR)?
- 2 A. No. MWW does not want to provide an EDR for all of the reasons stated in PSC Docket
- 3 3720-WI-102, particularly the reasons stated in the direct testimony of Carrie Lewis and
- 4 Ex.-MWW-Lewis-1 to Ex.-MWW-Lewis-19, filed in that docket (See PSC
- 5 REF#:183583).
- 6 Q. Is the estimated test year Payment in Lieu of Taxes (PILOT) reasonable given the
- 7 applicable statute and code?
- 8 A. Yes. The forecast 2014 test year property tax equivalent of \$12.3 million was calculated
- 9 in compliance with Wisconsin Administrative Code § PSC 109.02 and compares
- favorably with the PILOT payments of other municipal utilities in Wisconsin. The \$12.3
- million amount is 12.9 percent of the revenue requirement, which compares to the
- average of 14.9 percent of the total revenue requirement in 2010 and 14.8 percent in 2011
- according to the January 2013 PSC Staff Report, "Investigation into Municipal Utility
- Payment In Lieu of Taxes (PILOT)" (PSC REF#: 180955). Ex.-MWW-Lewis-8 is a
- compilation of the 2011 PILOT as percent of total revenue requirements from the PSC
- Staff Report for the Class AB utilities and the three Class C utilities that are wholesale
- customers of MWW. MWW's 2011 PILOT of 13.9 percent is lower than the average of
- 14.9 percent for this subset of utilities, ranking 58<sup>th</sup> lowest of these 99 utilities.
- 19 Q. Please describe MWW's infrastructure replacement program and priorities.
- 20 A. MWW's capital program is primarily composed of treatment, pumping, and storage
- 21 facility projects, and water main replacements. We carefully consider all sources of
- information and utilize our professional judgment in a very complex water system as we
- strive to make decisions that will be to the benefit of future users and ratepayers. We

take our responsibility as caretakers of the water system very seriously and understand that the "life" of the system will long exceed our tenure.

The capital projects in the treatment-pumping-storage facility category primarily involve replacing or upgrading existing features that have reached the end of their useful lives and/or are oversized for current water flows and/or have been identified by the DNR as deficiencies requiring corrective action. These are typically complex, multi-year projects. An initiative to provide backup power generation at critical facilities is currently underway; in the event of a local or regional power failure, these backup power generators will provide water treatment meeting all regulatory standards and distribution of water up to 150 million gallons per day—enough water for a typical summer day for the utility's entire service area, including service to wholesale communities. Projects are prioritized based on many factors including a cost-benefit review, annual condition assessments, linkages to other projects either in progress or planned, construction scheduling considerations, and are included in the six-year capital improvement program based on urgency and availability of funding.

Water main improvements make up the majority of dollars budgeted for and spent on MWW's capital program. Water main improvements include alterations (e.g., relocations of hydrants, resolving conflicts with sewer projects, additions of valves) as well as replacements of water mains. Water mains are first prioritized for replacement based on their condition assessment rank on the Water Main Experience Index (WMEI) and field observations.

The WMEI is MWW's condition assessment of water main segments. Each segment on the list is ranked from worst condition (#1) to better condition (#2266).

Segments that have no main break history are considered in "best" condition and are not listed. In addition to the condition assessment rank of the segments, the WMEI contains information on the breaks per 100 feet of each segment, the segment's location, size, year installed, length, and quarter section. The WMEI also includes the month and year of the most recent breaks and the condition assessment ranking of the segment in the previous update of the index, both of which indicate the rate of change of break activity over time. As water main break data are entered into the WMEI, the condition of each segment will be updated and the rank of the segment may change; segments with increased main break activity will "rise" to the top of the list and be a higher priority for replacement. See Ex.-MWW-Lewis-9 (PSC REF#:204754) and Ex.-MWW-Lewis-10 (PSC REF#: 204755) for a complete description of WMEI.

Detailed information is maintained on each water main break from field observations to complement the WMEI condition assessment ranking. This information includes the diameter, pipe material and joint type of the water main segment, year constructed and placed in service, date/description/type/size of break and material used to make the repair and details of bedding and backfill materials. See Ex.-MWW-Lewis-11 (PSC REF#: 204756) for an example of these data.

After the condition assessment rating is generated for each segment of water main on the WMEI, additional criteria are considered, including:

Upcoming paving projects—the life expectancy of proposed pavement type is
weighed against the condition assessment rank and remaining life expectancy
of the water mains within the pavement project,

•	City sewer projects—a water main replacement may be initiated when a sewer
	is replaced in order to comply with DNR clearance requirements, which call
	for 8' of horizontal separation and 1.5' of vertical clearance between sewers
	and water mains,

A.

• Deficiencies in existing mains—an existing main with an acceptable condition assessment ranking may be replaced with a larger diameter main if the carrying capacity of the existing main is inadequate or if pressure deficiencies exist; or if main size or material is creating water quality issues.

These additional criteria may override the WMEI condition assessment ranking in the final list of projects offered to the Milwaukee Common Council each year for preliminary engineering and subsequent construction.

### Q. Is the level of water main replacement in the test year reasonable?

As described in MWW's Water Main Replacement Report, Ex.-MWW-Lewis-12 (PSC REF#: 199900), MWW has 1,961 miles of water main in sizes from 4" to 60" in diameter. Twenty-two percent (approximately 430 miles) of the water mains were installed between 1943 and 1963. Approximately 55% of water main breaks occur in mains of this vintage, due to the quality of manufacture and installation of this era of pipe. MWW's water main replacement budget for the test year is \$10 million, \$9.3 million of which is planned to replace water mains that were installed between 1943 and 1963. The non-mains component of MWW's test year capital budget is \$2.3 million, further demonstrating MWW's commitment to water main replacements.

Q. Is the proposed future water main replacement schedule reasonable and is it adequately financed?

A. The PSC's standard process of setting rates using a utility basis and revenue requirements for a single test year does not account for the financing methods of capital improvement projects in general or take into account future capital improvements and financing methods.

A.

MWW is submitting to the Mayor and Common Council a six-year plan for water main replacements that budgets for 15 miles of water main to be replaced each year starting in 2015. This steady annual investment will continue essentially unabated until the entire system has been replaced, and then it will likely be time to begin again. It is anticipated that revenue from depreciation and rate of return will be used to cash finance the water main replacements. MWW believes cash financing is appropriate given the need for steady annual investment. This approach will also allow revenue to go directly into infrastructure improvements and not into interest payments. (Debt financing may be used for one-time large non-mains projects.) For further discussion of MWW's funding source for capital improvements, see Direct-MWW-Brandt-9 to 10.

# Q. Is the number of water meters to be replaced in the test year reasonable?

Yes. In 2012, MWW initiated an eight-year meter replacement project to replace the meter and electronic meter reading devices of 155,857 small meters. The meter replacement strategy for two, five and eight year projects were evaluated as shown in Ex-MWW-Lewis-13. Eight years was selected as the interval that could best be accommodated by MWW in terms of hiring and training field, clerical and supervisory staff, having adequate workspace for employees, procuring equipment and vehicles for the meter exchanges, and also allowing MWW to continue the other functions routinely performed by Meter Services staff, such as meter reading, field testing of large meters,

1		exchanging medium meters, addressing accounts with consecutive estimated readings,
2		performing high consumption investigations, installing meters in new/rehabbed buildings
3		conducting frozen service/no water investigations and replacing burst/damaged meters in
4		a timely fashion. As of March 31, 2014 the project was 41.3% complete with 64,384
5		meters replaced.
6	Q.	Is the reduction in the number of accounts with more than three consecutive
7		estimates in the test year reasonable and does it constitute reasonable progress on
8		the multiple estimates project?
9	A.	MWW has worked diligently to reduce the number of accounts with more than three
10		consecutive estimates, using messages on bills, letters informing customers of the need to
11		replace the device, and personal visits to properties. When these measures are
12		unsuccessful, MWW initiates a service disconnection process in accordance with PSC
13		Administrative Code. MWW reports progress to the PSC on this project twice annually.
14		The December 31, 2013 report, ExMWW-Lewis-14 (PSC REF#: 199219), noted that of
15		MWW's over 157,000 accounts, only 628 had three or more consecutive estimates, down
16		from 1,883 reported in December 31, 2011.
17		Given the progress under MWW's normal operating procedures during the last
18		few years, no additional expenses are anticipated related to this topic, so it is unrelated to
19		the development of the revenue requirement, the cost of service or the rate design.
20	Q.	Did you obtain authority from your governing body for a rate increase?
21	A.	Yes. ExMWW-Lewis-15 is a certified copy of City of Milwaukee Common Council
22		Resolution granting authority to apply for a rate increase.
23	Q.	Did you notify your customers of your application for a rate increase?

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