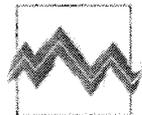
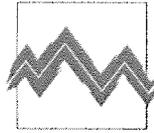

**FORMULA PURCHASE PRICE ANALYSIS
HINGHAM WATER SYSTEM
AS OF
DECEMBER 31, 2011**



Willamette Management Associates



Willamette Management Associates

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June 29, 2012

Joe A. Conner, Esq.
Baker Donelson Bearman Caldwell & Berkowitz
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633 Chestnut Street
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Dear Mr. Conner:

At your request, Willamette Management Associates prepared a formula price analysis related to the possible purchase of certain Aquarion Water Company (“Aquarion”) corporate property. That Aquarion corporate property consists of the Hingham Water System (the “Water System”). The Water System includes operating assets located in (1) the Town of Hingham, MA (“Hingham”), (2) the Town of Hull, MA (“Hull”), (3) the Town of Cohasset, MA (“Cohasset”), and (4) the Town of Norwell, MA (“Norwell”).

The results of our formula price analysis are presented in this report.

We understand that you (“Legal Counsel”) represent Aquarion in a potential dispute with Hingham (“the dispute”) over the acquisition of the Water System pursuant to section 11 of chapter 139 of the Acts of 1879 (the “1879 Charter”).

We understand that Hingham is considering the exercise of its legal right to purchase the Water System corporate property. We understand that this corporate property includes both tangible plant assets in service and contributory (or other) property assets.

We understand that Hingham may exercise its purchase right by paying a price determined by the pricing formula proscribed in the 1879 Charter. The 1879 Charter provision related to the purchase right and the purchase price formula is provided as follows:

Section 11. The town of Hingham shall have the right at any time during the continuance of the charter hereby granted, to purchase the corporate property, and all the rights and privileges of said company at the actual cost of the same, together with interest thereon at a rate not exceeding ten per centum per annum, said cost to include all actual loss or damage paid or suffered by said company for injury to person or property, deducting from said cost any and all dividends which may have been paid by said corporation, or at such price as may be mutually agreed upon between said corporation and the town of Hingham; and the said corporation is authorized to make sale of the same, and this authority to purchase said franchise and property is granted on condition that the same is

assented to by said town by a two-thirds vote of the voters present and voting thereon at any annual meeting, or at a legal meeting called for that purpose.

OBJECTIVE AND PURPOSE OF THE ANALYSIS

The objectives of this analysis are twofold: (1) to identify all of the Aquarion corporate property (including both tangible assets and contributory assets) operating as the Water System and (2) to calculate the formula purchase price for the Water System corporate property as proscribed in the 1879 Charter.

The purpose of our analysis is to assist Legal Counsel with regard to the dispute. No other purpose is intended or should be inferred.

THE 1879 CHARTER PURCHASE PRICE CALCULATION

Based on instructions from Legal Counsel, we calculated the Water System corporate property formula purchase price according to the 1879 Charter by:

1. calculating the historical cost of the identified corporate property assets (“historical cost component”),
2. adding the product that results from multiplying the historical cost component by a 10 percent rate of return (“rate of return component”), and
3. subtracting the total Water System dividends paid to shareholders.

The 1879 Charter allows for a rate of return not exceeding ten per centum per annum. For the purposes of our analysis, Legal Counsel instructed us to use 10 percent.

SOURCES OF INFORMATION

During the course of this assignment, we received and analyzed several documents, including the following:

- The Commonwealth of Massachusetts, Return of the Hingham Water Company to the Department of Public Utilities (“DPU Reports”), December 31, 1929 through 1980
- The Acts of 1879, and specifically Chapter 139—subject Water System franchise agreement
- The Acts of 1881, and specifically Chapter 59—right to extend water service to Hull and Cohasset
- The Acts of 1886, and specifically Chapter 88—right to increase water supply
- Responses to our information requests from Aquarion Management regarding the Water System corporate property assets¹

¹ Aquarion Management refers to Aquarion corporate executive Troy Dixon, director of rates and regulation and other Aquarion personnel working under the direction and supervision of Mr. Dixon.

Additionally, we met with Aquarion Management to discuss the availability of the documentation related to the Water System gross plant and equipment corporate property assets.

ANALYSIS WORK PRODUCT

We calculated the formula purchase price of the corporate property assets according to the 1879 Charter for the following assets:

1. Gross plant and equipment
2. Assembled workforce
3. Customer information database
4. Property maintenance database
5. Water testing records database

Gross Plant and Equipment Formula Component

On Exhibit 2 of Appendix A, we present the formula purchase price of the Water System gross plant and equipment under two scenarios. First, we present the Water System gross plant and equipment formula price assuming that the Hingham water treatment plant is purchased under the provisions of the 1879 Charter. Second, we present the Water System gross plant and equipment formula price assuming that the Hingham water treatment plant (this asset is owned by an Aquarion wholly-owned subsidiary, Aquarion Water Capital of Massachusetts, Inc.) is not included in the calculation of the purchase price formula.

For both scenarios, in order to arrive at the cost of the gross plant and equipment to be included in the formula price analysis, we made the following calculation: we subtracted (1) the contributions in aid of construction account and (2) the Advances account from (3) the Water System gross plant and equipment account.

It is our understanding that Aquarion reserves its right to include the following accounts as part of the gross plant and equipment formula purchase price component: (1) the contributions in aid of construction account and (2) the Advances account. We understand that there may be subsequent litigation over the application of the formula price under the provisions of the 1879 Charter. The exclusion of (1) the contributions in aid of construction account and (2) the Advances account as part of the gross plant and equipment formula purchase price component was solely for illustrative purposes and was performed at the direction of Legal Counsel for this report.

Gross Plant and Equipment

Aquarion Management provided us with the gross plant and equipment account summary documents (included in Appendix B) that we relied on in this formula price analysis. We refer to these documents as “the plant and equipment documents.” We understand that Aquarion Management used the following sources to prepare the plant and equipment documents:

1. Company general ledgers for the Hingham Water Company and Aquarion Water Company of Massachusetts
2. Massachusetts Department of Public Utility Reports (“DPU Reports”)
3. Crystal Reports and journal entry support
4. SAP database
5. Company estimates
6. Report of physical property to the Department of Public Utilities (“DPU”)
7. Hingham Water Company’s Control Account Ledger

Although the DPU Reports were used to create the majority of the plant and equipment documents, the DPU did not commence operations until 1929. For the years prior to 1929, Aquarion Management relied on general ledger documentation for plant and equipment cost information.² Because Aquarion is an investor owned utility the DPU requires it to file annual reports. That is, Aquarion must file a DPU Report each year. A more specific description of the DPU Reports is provided below.

For the time period beginning in November 30, 1879 to June 30, 1916, the Hingham Water Company general ledger listed the total plant assets of the Water System for each year from 1879 to 1916. And, the general ledger provided a categorized asset listing for each year. Total plant assets were categorized in the following groupings: (1) land, (2) structures, (3) transmission and distribution mains (“T&D Mains”), (4) consumer meters, (5) office equipment, and (6) shop equipment.

In each year, from 1879 to 1916, the company general ledger listed the gross amount of total assets and each categorized group reflecting additions and retirements. For example, in 1894, the T&D Mains account increased by \$23,685 from \$265,510 in 1893 to \$289,194 in 1894. The \$23,685 account balance increase reflects the net change of the T&D Mains gross plant and equipment account for the one year period ended in June 1894.

For the eight year time period beginning in 1917 and ended in 1924, Aquarion Management estimated the Water System total plant assets account balances for each year. We understand that it was necessary to estimate the Water System total plant assets from 1917 to 1924 because Aquarion Management was unable to find applicable general ledgers or other supporting documentation.

During this time period, the Water System total assets balance increased by \$32,603 a year. This \$32,603 increase was based on the reported change in Water System total assets from \$714,054 in 1916 to \$1,036,335 in 1928, minus \$61,458 of net additions and retirements recorded during the 1924 to 1927 period.³

Therefore, the 1917 to 1924 annual total plant assets account estimate used by Aquarion Management was calculated by performing two procedures as follows: (1) \$1,036,335 minus (\$61,458 + \$714,054) = \$260,823, and (2) \$260,823 was divided by 8 years = \$32,603.

² The DPU is responsible for oversight of investor-owned electric power, natural gas, and water utilities in Massachusetts.

³ Aquarion Management located reports in 1925-1928 reflection asset additions and asset retirements over that period. The net of additions and retirements in this period was \$61,458.

Plant and equipment account figures for the years ended December 31, 1928 through 1980, 1983, 1985 through 1987, were provided by the DPU Reports. Aquarion Management provided us with copies of the DPU Reports that were used as source documents for the plant and equipment account balances during the time period beginning in 1929 and ending in 1980.⁴

The starting point for the DPU Report source data was the December 31, 1929 report ("1929 DPU Report"). The 1929 DPU Report provided both (1) the Water System total plant assets and (2) a categorized listing of the Water System assets. This categorized Water System asset listing provided additions and retirements during each year.

For example, the 1929 DPU Report provided (1) the asset category balance as of December 31, 1928 and (2) the subsequent changes in the respective asset category. The DPU Report listed asset additions and retirements separately.

The 1929 DPU Report included more detailed asset classification categories than did the company general ledger reports that were relied on for the 1879 to 1916 time period. Therefore, certain of the asset categories required an adjustment in 1928 from the previously reported asset category classifications. It is important to note that the adjustment impacted the asset categorization only. The adjustment did not impact the overall dollar amount of asset investment.

As the source of the plant and equipment account data, Aquarion Management used other DPU Reports called "Report Physical Property," for years 1981 to 1987. It is important to note that information provided in the Report Physical Property reports agreed with annual DPU Reports for the years 1983, 1985, 1986, and 1987.

Also for the 1981 to 1987 time period, Aquarion Management used the Hingham Water Company's Control Accounts Ledger as another control reference document. For the year 1986, Aquarion Management made certain adjustments to reconcile the plant and equipment asset categories to the asset account categories posted in the general ledger.

Aquarion Management advised us that, after 1988, the Water System located in Hingham was combined with other Massachusetts water system assets for the purpose of filing the annual DPU reports. Since the DPU Reports no longer separated the financial and asset records of the Aquarion Massachusetts water systems, the DPU Reports prepared after 1987 were not relied on to prepare the plant and equipment documents.

From 1988 to 1999, Aquarion Management relied on the Hingham Water Company's Control Accounts Ledger for plant and equipment account asset additions and retirements.

In 2000 and 2001, the Water System was owned by American Water Company ("American Water"). In 2002, Aquarion acquired the Massachusetts assets of American Water.

Aquarion Management was not able to locate the complete and detailed 2000 and 2001 plant and equipment asset records from the American Water files. Aquarion estimated the plant and equipment

⁴ Of note, the DPU Report from 1931 was not a complete copy. And, also of note, in 1938 adjusting entries were made to incorporate suggestions from DPU auditors.

asset balances based on the recorded plant and equipment asset balances at the end of 1999 and the recorded plant and equipment asset balances at the beginning of 2002.

In addition to general ledger documentation, Aquarion Management used other account ledgers and accounting journals as source documents for the plant and equipment information provided to us. For the time period beginning in 2002 and ended in 2006, Aquarion Management used reports called "crystal reports" as the source documentation for the plant and equipment account.

For the time period beginning in 2007 and ended in 2011, Aquarion Management used the Aquarion SAP database system to generate plant and equipment account detail for the Water System. The SAP database system is a comprehensive accounting database system. The SAP database contains extensive automated records of the Hingham Water System plant and equipment assets that were placed in service between fiscal year 2007 to fiscal year 2011.

Contributions in Aid of Construction Account

In the plant and equipment documents, Aquarion Management listed the Water System contributions in aid of construction ("CIAC") from 1942 to 2011. From 1942 to 1988, the CIAC is presented as an exact dollar amount in the plant and equipment.

Due to the consolidation of the financial and plant records of the Massachusetts water systems in 1987, Aquarion Management made certain assumptions to allocate CIAC to the Water System. In order to allocate the total CIAC account to the Water System, Aquarion Management applied a three factor method.⁵ This CIAC account allocation method was performed in the following three procedures.

First, for each year, (1) the Water System gross plant and equipment was calculated as a percentage of the total AWCM gross plant and equipment assets, (2) the Water System gross plant and equipment including the water treatment plant asset was calculated as a percentage of the total AWCM gross plant and equipment assets, and (3) the Water System customers were calculated as a percentage of the total AWCM customers.

Second, an average of the three factors was calculated for each year. During the period of 1989 to 2002, the average allocation factor ranged from 63.2 percent to 73.6 percent.

Finally, the change in the AWCM CIAC account balance was multiplied by the average allocation factor for each year to arrive at the total CIAC adjustment allocation to the Water System.

Beginning in 1989 and through 2002, Aquarion Management added an allocation of the change in the consolidated AWCM CIAC account as compared to the prior period consolidated CIAC balance. For example, in 1999, \$60,316 was added to the 1998 CIAC balance of \$2,209,604.

The CIAC balance for 2002 was increased for known contribution activity for the Water System for the period of 2003 through 2011.

⁵ In addition to the allocation of CIAC, this same three factor method was used to allocate Advances and distributions.

Advances Account

Advances are the initial contributions in aid of construction which are subject to refund to developers within five years from the date of the contribution. After five years, any amounts not refunded are moved to the consolidated CIAC account.

In the plant and equipment documents, Aquarion Management lists the Water System advances account balances from 1949 to 2011. From 1949 to 1988, the advances account balances are presented as an exact amount, with the exception of the years 1982 and 1984. In those two years, the dollar amounts of the Advances were estimated by calculating an average of the prior year and the subsequent year advances account balance.

Beginning in 1989 and through 2000, Aquarion Management added an allocation of the advances account to the prior period advances account balance. For example, in 1999, \$704,145 was added to the 1998 advances account balance of \$624,366.

Aquarion Management allocated the advances account to the Water System using the same three factor allocation method that was applied to allocate the CIAC account. This allocation procedure was necessary because the Water System advances account was combined with the total consolidated AWCM advances account.

The advances account is presented as an exact dollar amount for time periods subsequent to 2000.

Purchase Price Formula Calculation Scenario One - With the Water Treatment Plant

On Exhibit 2, we arrived at the formula purchase price of the gross plant and equipment corporate property by performing the following procedures.

First, we calculated the historical cost component (with the water treatment plant) for each year from 1879 to 2011. In order to arrive at the historical cost component, we added:

1. the historical cost of gross plant and equipment corporate property to,
2. the historical cost of the Hingham water treatment plant, and
3. the historical balance of the Hingham water treatment plant restricted cash account.

And, we then subtracted:

4. the contributions in aid of construction account, and
5. the advances account.

We calculated the historical cost of gross plant and equipment corporate property assets to be \$68.2 million, as of December 31, 2011.

Next, we multiplied the historical cost component of \$68.2 million by the 10 percent rate of return component. We repeated this procedure for the each year from 1879 to 2010. We then summed the rate of

return component for the 1879 to 2011 period. We calculated a total rate of return component of \$124.6 million.

Finally, we added the historical cost component of \$68.2 million to the total rate of return component of \$124.6 million, to arrive at a purchase price formula calculation with the water treatment plant of \$192.9 million, as of December 31, 2011.

Purchase Price Formula Calculation Scenario Two—Without the Water Treatment Plant

On Exhibit 2, we arrived at the formula purchase price of the gross plant and equipment corporate property by performing the following procedures.

First, we calculated the historical cost component (without the water treatment plant) for each year from 1879 to 2011. In order to arrive at the historical cost component, we subtracted:

1. the contributions in aid of construction account, and
2. the Advances account from,
3. the historical cost of gross plant and equipment corporate property.

We calculated the historical cost of gross plant and equipment corporate property assets to be \$28 million, as of December 31, 2011.

Next, we multiplied the historical cost component of \$28 million by the 10 percent rate of return component. We repeated this procedure for the each year from 1879 to 2010. We then summed the rate of return component for the 1879 to 2011 period. We calculated a total rate of return component of \$60.1 million.

Finally, we added the historical cost component of \$28 million to the total rate of return component of \$60.1 million, to arrive at a purchase price formula calculation without the water treatment plant of \$88.1 million, as of December 31, 2011.

Assembled Workforce Corporate Property

The success of a business enterprise often depends on the training and experience of its assembled workforce. The assembled workforce represents an important and productive asset of the business, and it is valuable corporate property.

In Exhibit 3 of Appendix A, we present our calculation of the formula purchase price of the Water System assembled workforce corporate property.

In Appendix C, we present the supporting information provided to us by Aquarion Management.

As of December 31, 2011, the Water System employed 14 employees. The longest tenured employee was hired in 1973, and the most recent employee was hired in 2010. We were provided with the historical salary at the date of hire for each of the 14 employees.

Because the Water System employees experienced salary increases from their hire date to 2011, we were able to calculate a salary inflation rate. The average compound annual growth rate of salary increases was 4.35 percent for the Water System employees.

We relied on this 4.35 percent salary inflation factor to estimate the historical cost component of the Water System's assembled workforce. And, we subsequently relied on the 4.35 percent estimate to calculate the formula price of other corporate property assets.

In order to estimate the historical cost component of the Water System's assembled workforce corporate property asset, we performed the following procedure:

1. We multiplied (a) the base salary of each new employee in the year that the employee was added by (b) the cost to recruit and hire the new employee of 8.9 percent⁶ (of base salary), plus
2. We added the annual cost to train employees by multiplying the cumulative payroll cost by 0.9 percent⁷, i.e., the annual percentage of the total Water System employee time spent on employee training activities

We added each of the costs to recruit and hire the 14 Water System employees. We concluded this cost component to be \$46,155. Next, we added the annual costs to train employees over the 1973 to 2011 time period. We concluded this cost component to be \$143,929. Finally, we added the \$46,155 cost component to the \$143,929 cost component to conclude \$190,084, the total assembled workforce historical cost component. The next procedure was to apply the 10 percent rate of return component.

Based on our application of the 10 percent rate of return component, we concluded a \$202,184 rate of return component, for the measurement period beginning in 1973 and ending in 2011.

Finally, we added the historical cost component of \$190,084 to the rate of return component of \$202,184, to conclude a total assembled workforce corporate property formula price of \$392,267, as of December 31, 2011.

It is important to note that the historical cost to recruit and hire the assembled workforce corporate property does not include the following historical costs:

1. The internal labor costs of the company employees' time that was dedicated to interviewing employment candidates
2. Any relocation costs paid to new employees
3. The new hire's inefficiency cost to the company—this cost is typically incurred because, in general, new employees are not capable of full productivity at the date of initial hire—full productivity may take considerable time to achieve, depending on the respective job function
4. Any employee professional license costs paid by the company, as certain employees are required to keep current professional licenses related to their job

⁶ The 8.9 percent cost to recruit is not specific to the Water System, this rate is the Aquarion company cost to recruit percentage rate.

⁷ The 0.9 percent cost to train is not specific to the Water System, this rate is the Aquarion company cost to train percentage rate.

Adding the aforementioned historical costs to our assembled workforce historical cost estimate would increase the formula purchase price of the assembled workforce corporate property asset.

Customer Information Database Corporate Property

On Exhibits 4A through 4D of Appendix A, we present our formula purchase price analysis of the customer information database corporate property formula purchase price. The customer information database corporate property is comprised of three categories:

1. New customer connection data
2. Move-in customer connection data
3. Meter change-out data

In Appendix D, we present the supporting documentation provided to us by Aquarion Management.

New Customer Connection Data

On Exhibits 4A of Appendix A, we present our formula purchase price analysis of the new customer connection data corporate property. Aquarion Management was able to either find supporting documentation of or estimate the number of new Water System customers connections each year from 1879 to 2011.

The year end in 1928 was the first year that Aquarion Management could locate the total number of Water System customers, i.e., 5,406. Therefore, in order to estimate the number of Water System customers for the 1879 to 1927 time period, Aquarion Management used a simple average, assuming that new customer connections were made each year at the same amount.

We understand that Aquarion Management primarily relied on DPU Reports for new customer connection information for the period from 1929 through 2011.

Aquarion Management was not able to locate information related to 1981, 1990, and 1993. Because of this lack of information, Aquarion Management assumed that no customers were added in 1981, 1990, and 1993.

Aquarion Management estimated that the historical labor cost per new customer connection was \$320 per connection, as of December 31, 2011. We understand that the historical labor costs include the time spent by Water System utility operations personnel and Water System customer service personnel.

In 2011, in order to calculate the cost of the new customer connection data, we calculated the historical cost component by multiplying (1) the number of new connection connections of 58 by (2) the historical-based labor cost per customer connection of \$320, to conclude (3) the total historical direct cost of \$18,572. Next, we multiplied (1) the \$18,572 historical cost by (2) the payroll overhead allocation rate of 57.3 percent to conclude (3) a \$29,220 total cost for the year ended December 31, 2011.

We performed the same procedures for the previous years ended December 31, 1879 through December 31, 2010 to calculate the Water System's historical cost component for each respective year. The primary calculation difference between the year ended December 31, 2011 and the previous years is due to the decrease in the labor cost per year by 4.35 percent.

We added each period's historical cost component from December 31, 1879 through December 31, 2011, in order to conclude a \$1.1 million historical cost component. The next procedure was to apply the 10 percent rate of return component.

Based on our application of the 10 percent rate of return component, we arrived at \$2.5 million. We then added the \$1.1 million historical cost component to the \$2.5 million rate of return component to conclude the formula purchase price of the customer information database corporate property asset.

Based on our analysis, we estimated the formula purchase price of the new customer connection portion of Water System's customer information database corporate property asset was \$3.6 million, as of December 31, 2011.

Move-in Connection Customer Data

On Exhibits 4B of Appendix A, we present our formula purchase price analysis of the move-in connection customer data corporate property.

Aquarion Management estimated that during a 50 month measurement period—i.e., November 1, 2007 to December 31, 2011—the Water System averaged approximately 87 customer account changes per month. On an annualized basis, that 87 account changes per month corresponds to a 1,049 account changes per year.

Aquarion Management estimated that the Water System historical labor cost per account change was \$8.50, as of December 31, 2011. We understand that the historical labor costs include the time spent by Water System billing setup personnel and Water System customer service personnel.

We understand that, based on the current number of the Water System customers, it would take approximately 12 years to retire (i.e., turnover) all of the current customer accounts. Therefore, we assumed that the move-in connection customer data was relevant over a 12 year period.

In 2011, we calculated the Water System's historical cost component of the customer information database by multiplying (1) the number of connections per year of 1,049 customers by (2) the historical-based labor cost per customer connection of \$8.50, to conclude on \$8,919 total historical base labor cost. Next, we multiplied the \$8,919 historical cost by the payroll overhead allocation rate of 57.3 percent to arrive at \$14,032 total cost for the year ended December 31, 2011.

We performed the same procedures for the previous years ended December 31, 2000 through December 31, 2010 to calculate the Water System's historical cost component for each respective year. The primary calculation difference between the year ended December 31, 2011 and the previous years is due to the decrease in the labor cost per year by 4.35 percent.

We added each period's historical cost component from December 31, 2000 through December 31, 2011, in order to conclude a \$134,674 historical cost component. The next procedure was to apply the 10 percent rate of return component.

Based on our application of the 10 percent rate of return component, we arrived at \$80,734. We then added the \$134,674 historical cost component to the \$80,734 rate of return component to conclude the formula purchase price of the customer information database corporate property asset.

Based on our analysis, we estimated the formula purchase price of the move-in customer connection portion of Water System's customer information database corporate property asset was \$215,407, as of December 31, 2011.

Meter Change-out Data

On Exhibits 4C of Appendix A, we present our formula purchase price analysis of the meter change-out data customer data corporate property. We understand that Aquarion has a company policy to replace its customer meters every ten years.

Aquarion Management estimated that labor cost per meter change out was approximately \$30 each, as of December 31, 2011. We understand that the historical labor costs include the time spent by Water System utility operation personnel and water system customer service personnel.

For 2011, we calculated the Water System's historical cost component by multiplying (1) the average number of replacement meters each year of 1,247 by (2) the historical-based labor cost per customer connection of \$30, to conclude a \$37,136 total historical direct cost. Next, we multiplied the \$37,136 historical cost by the payroll overhead allocation rate of 57.3 percent to conclude a \$58,427 total cost for the year ended December 31, 2011.

We performed the same procedures for the previous years ended December 31, 2002 through December 31, 2010 to calculate the Water System's historical cost component for each respective year. The primary calculation difference between the year ended December 31, 2011 and the previous years is due to the decrease in the labor cost per year by 4.35 percent.

We added each period's historical cost component from December 31, 2002 through December 31, 2011, in order to conclude a \$486,001 historical cost component. The next procedure was to apply the 10 percent rate of return component.

Based on our application of the 10 percent rate of return component, we arrived at \$250,279. We then added the \$486,001 historical cost component to the \$250,279 rate of return component to conclude the formula purchase price of the meter change-out data corporate property asset.

Based on our analysis, we estimated the formula purchase price of the customer meter change-out portion of Water System's customer information database corporate property asset was \$736,280, as of December 31, 2011.

Customer Information Database Summary

On Exhibits 4D of Appendix A, we present our formula purchase price analysis of the summary data of the customer information database corporate property. We combined the three customer information database categories related to the Water System's customer information database to conclude a combined formula purchase price of \$4.6 million.

Based on our analysis, we estimated the formula purchase price of the Water System's customer information database corporate property asset was \$4.6 million, as of December 31, 2011.

Property Maintenance Database Corporate Property

On Exhibit 5 of Appendix A, we present our analysis of the formula purchase price of the Water System's property maintenance database corporate property asset.

In Appendix E, we present the supporting source information provided to us by Aquarion Management.

Based on the source documentation provided to us, the historical labor cost of creating the Water System property maintenance records was \$9,320 per year, as of December 31, 2011.

Also, according to the company source documentation, based on the life and age of the company's Massachusetts utility property from a book depreciation perspective, it would take 44 years to fully depreciate all the Massachusetts corporate property, as of December 31, 2011. Therefore, we analyzed data for the Water System's property maintenance database corporate property for a 44 year period.

We calculated the historical cost component of the property maintenance database by multiplying (1) the Water System's historical base labor cost of \$9,320, by (2) the 57.3 percent payroll overhead allocation percentage. We concluded a \$14,664 historical cost component of the property maintenance database for the year ended December 31, 2011.

We performed the same procedures for the previous years ended December 31, 1968 through December 31, 2010 to calculate the historical cost component for each respective year. The primary calculation difference between the year ended December 31, 2011 and previous years is due to the decrease in the labor cost per year by 4.35 percent.

We added each period's historical cost component from December 31, 1968 through December 31, 2011, to conclude a \$297,736 total historical cost component. The next procedure was to apply the 10 percent rate of return component.

Based on our application of the 10 percent rate of return component, we concluded a \$476,515 total rate of return component. We then added the \$297,736 historical cost component to the \$476,515 rate of return component to conclude the formula purchase price of the property maintenance database corporate property asset.

Based on our analysis, we estimated that the formula purchase price of the maintenance database corporate property asset was \$774,251, as of December 31, 2011.

Water Testing Records Database Corporate Property

On Exhibit 6 of Appendix A, we present our analysis of the formula purchase price of the water testing records database corporate property asset.

In Appendix F, we present the supporting source information provided to us by Aquarion Management.

Historical water testing records are maintained for bacteria testing, turbidity results, sanitary surveys, chemical usage, lead and copper levels, and other agency required testing records.

Based on the supporting source documentation, the historical labor cost spent to create the Water System's property maintenance records was \$6,746 per year, as of December 31, 2011. The historical labor costs are based on the required time spent per year by (1) a company administrative assistant and (2) a water treatment plant operator.

Also, based on our analysis of supporting documentation, the Water System retains its water testing records for a period of three to 12 years. Therefore, we analyzed 12 years of data related to the Water System water testing records.

We calculated the historical cost component of the water testing records database corporate property by multiplying (1) the Water System's historical base labor cost of \$6,746, by (2) the 57.3 percent payroll allocation percentage. We concluded the \$10,614 historical cost component price of the water testing records database corporate property for the year ended December 31, 2011.

We performed the same procedures for the previous years ended December 31, 2000 through December 31, 2010 to calculate the historical cost component for each respective year. The primary calculation difference between the year ended December 31, 2011 and previous years is due to the decrease in the labor cost per year by 4.35 percent.

We added each period's historical cost component from December 31, 2000 through December 31, 2011, to conclude a \$101,868 total historical cost component. The next procedure was to apply the 10 percent rate of return component.

Based on our application of the 10 percent rate of return component, we conclude a \$61,068 rate of return component. We then added the \$101,868 historical cost component to the \$61,068 rate of return component to conclude the formula purchase price of the water testing records database corporate property asset.

Based on our analysis, we calculated the formula purchase price of the water testing records database corporate property asset was \$162,936, as of December 31, 2011.

Water System Corporate Dividends

On Exhibit 7 of Appendix A, we present our analysis of the total Water System corporate dividends over the 1879 to 2011 time period. Total Water System corporate dividends are presented for both Scenario 1 and Scenario 2.

In Appendix B, we present the supporting source information provided to us by Aquarion Management.

For the time period beginning in 1881 and ending in 1916, the general ledger documentation provided the dividend information. From 1917 to 1927, there was a break in information, whereby Aquarion Management could not locate supporting dividend payment information.

For the time period beginning in 1917 and ended in 1927, dividends are assumed to be equal to the 1928 dividend payment of \$26,400 each year. We note that this 1928 dividend payment was larger than any previously observed dividend payment.

For the time period beginning in 1928 and ended in 1980, the dividends (both common stock and preferred stock dividends) data were derived from the DPU Reports source documentation.

Starting in 1954 and ended in 1990, the Water System had preferred stock outstanding. Therefore, the Water System paid preferred dividends over that period. In 1981, 1982, and 1984, preferred dividends were estimated using the prior ten-year average of preferred dividend payments. For example, in 1981, the ten-year average was calculated using preferred stock dividend payments from 1971 to 1980. The ten-year average figure that was used for 1981 was \$10,518.

Over the 1981, 1982, and 1984 time period, the Water System common stock dividends were estimated based on the calculation of a proceeding ten-year average common stock dividend payment. The common stock dividend estimate was performed similarly to the preferred stock dividend estimate.

For the period beginning in 1985 and ended in 1988, Aquarion Management used the Water System company ledgers to provide preferred stock and common stock dividend payments.

For the period beginning in January 1, 1989 and ended in December 31, 2011, Aquarion Management allocated a portion of the total Aquarion corporate dividend payment to the Water System. Aquarion Management based this allocation on a three factor allocation method. This three factor method was the same allocation account method employed to arrive at the Water System CIAC account for the 1989 to 2002 time period and the Water System Advances for the 1989 to 2000 time period.

For Scenario 1, including the Aquarion Water Capital of Massachusetts (i.e., Aquarion subsidiary that owns the Hingham water treatment plant asset) total dividends, the total dividends (both common stock dividends and preferred stock dividends) to shareholders as of December 31, 2011 were \$14.3 million.

For Scenario 2, not including the Aquarion Water Capital of Massachusetts total dividends, the total dividends (both common stock dividends and preferred stock dividends) to shareholders as of December 31, 2011 were \$9.7 million.

SUMMARY AND CONCLUSION OF THE 1879 CHARTER PURCHASE PRICE CALCULATION

Based on our instructions from Legal Counsel, we calculated the formula purchase price of the Water System corporate property according to the formula presented in the 1879 Hingham Charter.

We calculated the formula purchase price of the corporate property assets according to the 1879 Charter for the following assets:

1. Gross plant and equipment
2. Assembled workforce
3. Customer information database
4. Property maintenance database

5. Water testing records database

Gross Plant and Equipment

We were asked to calculate gross plant and equipment corporate property assets under two scenarios. The primary difference between Scenario 1 and Scenario 2 is the inclusion—or exclusion—of the Hingham water treatment plant. For Scenario 1, we included the Hingham water treatment plant. And, for Scenario 2, we excluded the Hingham water treatment plant.

Scenario 1

For Scenario 1, we calculated the historical cost of gross plant and equipment corporate property assets to be \$68.2 million as of December 31, 2011.

Next, we multiplied the historical cost component of \$68.2 million by the 10 percent rate of return component. We repeated this procedure for the each year from 1879 to 2010. We then summed the rate return component for the 1879 to 2011 period, we concluded a \$124.6 million rate of return component.

Finally, we added the historical cost component of \$68.2 million to the rate of return component of \$124.6 million, to conclude a formula purchase price of \$192.9 million, as of December 31, 2011.

Scenario 2

For Scenario 2, we calculated the historical cost of gross plant and equipment corporate property assets to be \$27.9 million, as of December 31, 2011.

Next, we multiplied the historical cost component of \$27.9 million by the 10 percent rate of return component. We repeated this procedure for the each year from 1879 to 2010. We then summed the rate return component for the 1879 to 2011 period, to conclude a \$60.1 million rate of return component.

Finally, we added the historical cost component of \$27.9 million to the rate of return component of \$60.1 million, to conclude a formula purchase price of \$88.1 million, as of December 31, 2011.

Assembled Workforce

Based on our analysis, we arrived at \$190,084 for the historical cost of the assembled workforce corporate property. The next procedure was to apply the 10 percent rate of return component.

Based on our application of the 10 percent rate of return component, we concluded a \$202,184 rate of return component for the measurement period beginning in 1973 and ending in 2011.

Finally, we added the historical cost component of \$190,084 to the rate of return component of \$202,184, to conclude a formula purchase price of \$392,267, as of December 31, 2011.

Customer Information Database

We added each period historical cost component from the respective time periods for each portion of the customer information database, to conclude \$1.7 million (\$1.1 million, \$134,674 and \$486,001 respectively). The next procedure was to apply the 10 percent rate of return component.

Based on our application of the 10 percent rate of return component, we arrived at a \$2.9 million rate of return component (\$2.5 million, \$80,734 and \$250,279 respectively). We then added the \$1.7 million historical cost component to the \$2.9 million rate of return component to conclude the formula purchase price of the customer information database corporate property asset.

Based on our analysis, we estimated the formula purchase price of the customer information database corporate property asset to be \$4.6 million, as of December 31, 2011.

Property Maintenance Database

We added each period historical cost component from December 31, 1968 through December 31, 2011, to arrive at \$297,736. The next procedure was to apply the 10 percent rate of return component.

Based on our application of the 10 percent rate of return component, we concluded a \$476,515 rate of return component. We then added the \$297,736 historical cost component to the \$476,515 rate of return component to conclude the formula purchase price of the property maintenance database corporate property asset.

Based on our analysis, we calculated the formula purchase price of the maintenance database corporate property asset to be \$774,251, as of December 31, 2011.

Water Testing Records Database

We added each period historical cost component from December 31, 2000 through December 31, 2011, to conclude \$101,868. The next procedure was to apply the 10 percent rate of return component.

Based on our application of the 10 percent rate of return component, we concluded a \$61,068 rate of return component. We then added the \$101,868 historical cost component to the \$61,068 rate of return component to conclude the formula purchase price of the water testing records database corporate property asset.

Based on our analysis, we concluded the formula purchase price of the water testing records database corporate property asset to be \$162,936, as of December 31, 2011.

Summary of Identified Water System Corporate Property

On Exhibit 1A of Appendix A, we present the summary and conclusion of our formula purchase price calculation. This summary and conclusion includes the Hingham water treatment plant in the formula purchase price.

On Exhibit 1B of Appendix A, we present the summary and conclusion of our formula purchase price calculation. This summary and conclusion excludes the Hingham water treatment plant in the formula purchase price.

Scenario 1

We added the cost components of each of the corporate property assets including: gross plant and equipment of \$192.9 million, assembled workforce of \$0.39 million, customer information database of \$4.6 million, property maintenance records database of \$0.77 million, and water testing records database of \$0.16 million. We calculated the total cost formula purchase price based on the 1879 Charter pricing formula for the total corporate property of \$198.8 million.

For the next procedure, we subtracted \$14.3 million of Water System dividends from the total cost formula purchase price of the total corporate property of \$198.8 million. We concluded a formula purchase price of the Hingham Water System corporate property of \$184.5 million, based on section 11 of the 1879 Charter.

Based on our analysis, the formula purchase price of the Hingham Water System corporate property, as of December 31, 2011, is (rounded):

\$184,460,000.⁸

Scenario 2

We added the total cost components of each of the corporate property assets including: gross plant and equipment of \$88.1 million, assembled workforce of \$0.39 million, customer information database of \$4.6 million, property maintenance records database of \$0.77 million, and water testing records database of \$0.16 million. We calculated the total cost formula purchase price based on the 1879 Charter pricing formula for the total corporate property of \$94.0 million.

For the next procedure, we subtracted \$9.7 million of Water System dividends from the total cost purchase price of the total corporate property of \$94.0 million. We concluded a formula purchase price of the Hingham Water System corporate property of \$84.3 million, based on section 11 of the 1879 Charter.

Based on our analysis, the formula purchase price of the Hingham Water System corporate property, as of December 31, 2011, is (rounded):

\$84,280,000.⁹

⁸ We reserve the right to amend our opinion if and when new data become available. We note that the \$184,460,000 purchase price estimate is subject to limitations.

⁹ We reserve the right to amend our opinion if and when new data become available. We note that the \$84,280,000 purchase price estimate is subject to limitations.

Joe A. Conner, Esq.
June 29, 2012
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LIMITATIONS OF OUR CONCLUSION

The historical cost of each of the Water System corporate property assets, with the exception of the gross plant and equipment corporate property assets account, was calculated over a finite time period. Therefore, the formula purchase price of each of the Water System corporate property assets could be greater than our current calculations indicate.

In addition to the finite time period limitation, we previously stated limitations of our assembled workforce corporate property asset calculation. If we receive the indicated information that is not currently available to us, then our calculation of the formula purchase price of the assembled workforce corporate property asset would be greater than the \$0.39 million stated herein.

We calculated the formula purchase price of the Water System corporate property assets based on the information available to us. If additional information becomes available to us, we reserve the right to amend this analysis.

During this assignment, we were provided with unaudited financial and operational data with respect to the Water System. We accepted these data without independent verification or confirmation.

We are independent of the Hingham Water System (and its owners) and all other parties associated with the dispute. We have no current or prospective financial interest in the subject Water System corporate property. Our fee for this analysis was in no way influenced by the results of our formula purchase price calculation.

The professional qualifications of the principal analyst are presented for information purposes only.

Very truly yours,

WILLAMETTE MANAGEMENT ASSOCIATES



Robert F. Reilly

Joe A. Conner, Esq.
June 29, 2012
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APPENDIX A - EXHIBITS

EXHIBIT 1A
 AQUARIUM WATER COMPANY - HINGHAM WATER SYSTEM
 SUMMARY OF CORPORATE PROPERTY INCLUDING THE RETURN ON CORPORATE PROPERTY
 FORMULA PURCHASE PRICE OF CORPORATE PROPERTY (INCLUDING HINGHAM WATER TREATMENT PLANT)
 ACCORDING TO THE 1879 CHARTER PRICING FORMULA
 AS OF DECEMBER 31, 2011

Type of Corporate Property	Exhibit Reference	Historical Cost of Corporate Property Component		Ten Percent Return on Historical Cost Component		1879 Charter Pricing Formula Total Corporate Property Purchase Price
		A	B	A	B	
Gross Plant and Equipment Corporate Property Total	2	68,216,367	124,647,781			192,864,148
Assembled Workforce Corporate Property Total	3	190,084	202,184			392,267
Customer Information Database Corporate Property Total	4D	1,719,593	2,880,351			4,599,944
Property Maintenance Database Corporate Property Total	5	297,736	476,515			774,251
Water Testing Records Database Corporate Property Total	6	101,868	61,068			162,936
Total Corporate Property						198,793,547
Minus Hingham Water System Dividends	7					14,334,977

Formula Purchase Price of Hingham Water System Corporate Property, as of December 31, 2011 (rounded)	\$ 184,460,000
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Original Data Sources: Aquarium Management, WMA calculations, and as indicated.

EXHIBIT 1B
AQUARIUM WATER COMPANY - HINGHAM WATER SYSTEM
SUMMARY OF CORPORATE PROPERTY INCLUDING THE RETURN ON CORPORATE PROPERTY
FORMULA PURCHASE PRICE OF CORPORATE PROPERTY (EXCLUDING HINGHAM WATER TREATMENT PLANT)
ACCORDING TO THE 1879 CHARTER PRICING FORMULA
AS OF DECEMBER 31, 2011

Type of Corporate Property	Exhibit Reference	Historical Cost of Corporate Property Component		Ten Percent Return on Historical Cost Component		1879 Charter Pricing Formula Total Corporate Property Purchase Price
		\$ A	\$ B	\$ B	\$ A + B	
Gross Plant and Equipment Corporate Property Total	2	27,973,736	60,107,104		88,080,840	
Assembled Workforce Corporate Property Total	3	190,084	202,184		392,267	
Customer Information Database Corporate Property Total	4	1,719,593	2,880,351		4,599,944	
Property Maintenance Database Corporate Property Total	5	297,736	476,515		774,251	
Water Testing Records Database Corporate Property Total	6	101,868	61,068		162,936	
Total Corporate Property					94,010,239	
Minus Hingham Water System Dividends, Excluding Mass Cap Dividends	7				9,736,977	

Formula Purchase Price of Hingham Water System Corporate Property, as of December 31, 2011 (rounded)	\$ 84,280,000
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Original Data Sources: Aquarion Management, WMA calculations, and as indicated.

EXHIBIT 2
 AQUARION WATER COMPANY - HINGHAM WATER SYSTEM
 GROSS PLANT AND EQUIPMENT CORPORATE PROPERTY
 FORMULA PURCHASE PRICE OF CORPORATE PROPERTY
 ACCORDING TO THE 1879 CHARTER PRICING FORMULA
 AS OF DECEMBER 31, 2011
 PAGE (1 OF 2)

Year	Including the Water Treatment Plant					Excluding the Water Treatment Plant			
	Cost of Gross Plant and Equipment Corporate Property	Water Treatment Plant	Water Treatment Plant Restricted Cash	Contributions in Aid of Construction	Advances	Gross Plant and Equipment Corporate Property	10% Return on Corporate Property	Contributions in Aid of Corporate Property	10% Return on Corporate Property
	A (\$)	B (\$)	C (\$)	D (\$)	E (\$)	A+B+C-D-E = F (\$)	F X 10% = G (\$)	A-D-E = H (\$)	H X 10% = I (\$)
1879	34,497	-	-	-	-	34,497	3,450	34,497	3,450
1880	74,625	-	-	-	-	74,625	7,463	74,625	7,463
1881	74,625	-	-	-	-	74,625	7,463	74,625	7,463
1882	121,921	-	-	-	-	121,921	12,192	121,921	12,192
1883	169,693	-	-	-	-	169,693	16,963	169,693	16,963
1884	198,546	-	-	-	-	198,546	19,855	198,546	19,855
1885	210,944	-	-	-	-	210,944	21,094	210,944	21,094
1886	249,331	-	-	-	-	249,331	24,933	249,331	24,933
1887	252,216	-	-	-	-	252,216	25,222	252,216	25,222
1888	266,837	-	-	-	-	266,837	26,684	266,837	26,684
1889	267,224	-	-	-	-	267,224	26,722	267,224	26,722
1890	267,266	-	-	-	-	267,266	26,727	267,266	26,727
1891	280,160	-	-	-	-	280,160	28,016	280,160	28,016
1892	284,260	-	-	-	-	284,260	28,426	284,260	28,426
1893	298,106	-	-	-	-	298,106	29,811	298,106	29,811
1894	325,976	-	-	-	-	325,976	32,598	325,976	32,598
1895	328,959	-	-	-	-	328,959	32,896	328,959	32,896
1896	333,220	-	-	-	-	333,220	33,322	333,220	33,322
1897	342,362	-	-	-	-	342,362	34,236	342,362	34,236
1898	345,546	-	-	-	-	345,546	34,555	345,546	34,555
1899	348,628	-	-	-	-	348,628	34,863	348,628	34,863
1900	353,552	-	-	-	-	353,552	35,355	353,552	35,355
1901	360,164	-	-	-	-	360,164	36,016	360,164	36,016
1902	363,356	-	-	-	-	363,356	36,336	363,356	36,336
1903	416,658	-	-	-	-	416,658	41,666	416,658	41,666
1904	434,508	-	-	-	-	434,508	43,451	434,508	43,451
1905	436,053	-	-	-	-	436,053	43,605	436,053	43,605
1906	459,438	-	-	-	-	459,438	45,944	459,438	45,944
1907	465,857	-	-	-	-	465,857	46,586	465,857	46,586
1908	473,478	-	-	-	-	473,478	47,348	473,478	47,348
1909	511,364	-	-	-	-	511,364	51,136	511,364	51,136
1910	615,844	-	-	-	-	615,844	61,584	615,844	61,584
1911	652,100	-	-	-	-	652,100	65,210	652,100	65,210
1912	663,879	-	-	-	-	663,879	66,388	663,879	66,388
1913	679,160	-	-	-	-	679,160	67,916	679,160	67,916
1914	688,285	-	-	-	-	688,285	68,828	688,285	68,828
1915	705,706	-	-	-	-	705,706	70,571	705,706	70,571
1916	714,054	-	-	-	-	714,054	71,405	714,054	71,405
1917	746,657	-	-	-	-	746,657	74,666	746,657	74,666
1918	779,260	-	-	-	-	779,260	77,926	779,260	77,926
1919	811,863	-	-	-	-	811,863	81,186	811,863	81,186
1920	844,466	-	-	-	-	844,466	84,447	844,466	84,447
1921	877,069	-	-	-	-	877,069	87,707	877,069	87,707
1922	909,672	-	-	-	-	909,672	90,967	909,672	90,967
1923	942,274	-	-	-	-	942,274	94,227	942,274	94,227
1924	974,877	-	-	-	-	974,877	97,488	974,877	97,488
1925	988,225	-	-	-	-	988,225	98,822	988,225	98,822
1926	1,005,880	-	-	-	-	1,005,880	100,588	1,005,880	100,588
1927	1,018,256	-	-	-	-	1,018,256	101,826	1,018,256	101,826
1928	1,036,335	-	-	-	-	1,036,335	103,634	1,036,335	103,634
1929	1,055,956	-	-	-	-	1,055,956	105,596	1,055,956	105,596
1930	1,067,191	-	-	-	-	1,067,191	106,719	1,067,191	106,719
1931	1,075,013	-	-	-	-	1,075,013	107,501	1,075,013	107,501
1932	1,084,398	-	-	-	-	1,084,398	108,440	1,084,398	108,440
1933	1,122,739	-	-	-	-	1,122,739	112,274	1,122,739	112,274
1934	1,156,693	-	-	-	-	1,156,693	115,669	1,156,693	115,669
1935	1,182,015	-	-	-	-	1,182,015	118,202	1,182,015	118,202
1936	1,188,602	-	-	-	-	1,188,602	118,860	1,188,602	118,860
1937	1,228,923	-	-	-	-	1,228,923	122,892	1,228,923	122,892
1938	1,260,796	-	-	-	-	1,260,796	126,080	1,260,796	126,080
1939	1,294,514	-	-	-	-	1,294,514	129,451	1,294,514	129,451
1940	1,311,793	-	-	-	-	1,311,793	131,179	1,311,793	131,179
1941	1,331,004	-	-	-	-	1,331,004	133,100	1,331,004	133,100
1942	1,368,125	-	-	5,478	-	1,362,646	136,265	1,362,646	136,265
1943	1,380,838	-	-	6,331	-	1,374,507	137,451	1,374,507	137,451
1944	1,382,072	-	-	6,799	-	1,375,272	137,527	1,375,272	137,527
1945	1,387,653	-	-	12,301	-	1,375,352	137,535	1,375,352	137,535
1946	1,420,535	-	-	21,368	-	1,399,167	139,917	1,399,167	139,917
1947	1,476,896	-	-	21,745	-	1,455,151	145,515	1,455,151	145,515
1948	1,538,059	-	-	21,745	-	1,536,314	153,631	1,536,314	153,631
1949	1,593,580	-	-	22,001	41,849	1,529,730	152,973	1,529,730	152,973
1950	1,662,307	-	-	24,016	59,044	1,579,247	157,925	1,579,247	157,925
1951	1,717,517	-	-	24,551	71,628	1,621,338	162,134	1,621,338	162,134
1952	1,822,612	-	-	24,821	93,802	1,703,988	170,399	1,703,988	170,399
1953	2,025,293	-	-	25,489	100,267	1,899,536	189,954	1,899,536	189,954
1954	2,212,911	-	-	27,463	140,623	2,044,824	204,482	2,044,824	204,482
1955	2,344,627	-	-	27,463	160,879	2,156,285	215,628	2,156,285	215,628
1956	2,586,980	-	-	42,071	202,261	2,342,648	234,265	2,342,648	234,265
1957	2,724,625	-	-	45,764	189,159	2,489,702	248,970	2,489,702	248,970

Original Data Source: Company executives Troy Dixon, the director of rates and regulation and Gabrielle St. Cyr, senior accountant for Aquarion Water Company. And, documentation provided in Appendix B.

EXHIBIT 2
AQUARIUM WATER COMPANY - HINGHAM WATER SYSTEM
GROSS PLANT AND EQUIPMENT CORPORATE PROPERTY
FORMULA PURCHASE PRICE OF CORPORATE PROPERTY
ACCORDING TO THE 1879 CHARTER PRICING FORMULA
AS OF DECEMBER 31, 2011
 PAGE (2 OF 2)

Year	Including the Water Treatment Plant					Excluding the Water Treatment Plant				
	Cost of Gross Plant and Equipment Corporate Property	Water Treatment Plant	Water Treatment Plant Restricted Cash	Contributions in Aid of Construction	Advances	Gross Plant and Equipment Corporate Property	10% Return on Corporate Property	Contributions in Aid of Corporate Property	10% Return on Corporate Property	
	A (\$)	B (\$)	C (\$)	D (\$)	E (\$)	A+B+C-D-E = F (\$)	FX 10% = G (\$)	A-D-E = H (\$)	H X 10% = I (\$)	
1953	2,776,391	-	-	48,581	193,166	2,534,704	253,470	2,534,704	253,470	
1959	2,830,076	-	-	55,326	179,279	2,595,472	259,547	2,595,472	259,547	
1960	2,896,935	-	-	51,326	194,565	2,647,046	264,705	2,647,046	264,705	
1961	3,006,047	-	-	61,547	237,235	2,707,245	270,725	2,707,245	270,725	
1962	3,125,465	-	-	66,177	273,843	2,785,443	278,544	2,785,443	278,544	
1963	3,502,386	-	-	82,650	342,148	3,077,588	307,759	3,077,588	307,759	
1964	3,649,342	-	-	120,103	292,013	3,237,226	323,723	3,237,226	323,723	
1965	3,814,016	-	-	137,055	328,987	3,347,974	334,797	3,347,974	334,797	
1966	3,980,956	-	-	149,347	326,921	3,504,688	350,469	3,504,688	350,469	
1967	4,231,732	-	-	163,561	322,933	3,765,238	376,524	3,765,238	376,524	
1968	4,372,645	-	-	173,970	319,720	3,878,956	387,896	3,878,956	387,896	
1969	4,704,539	-	-	180,006	373,710	4,150,823	415,082	4,150,823	415,082	
1970	4,872,831	-	-	187,736	385,112	4,299,983	429,998	4,299,983	429,998	
1971	5,063,938	-	-	189,331	365,191	4,509,396	450,940	4,509,396	450,940	
1972	5,244,421	-	-	222,760	361,796	4,659,865	465,986	4,659,865	465,986	
1973	5,341,432	-	-	250,792	341,215	4,749,415	474,941	4,749,415	474,941	
1974	5,422,046	-	-	282,635	372,251	4,787,160	478,716	4,787,160	478,716	
1975	5,592,603	-	-	316,467	392,729	4,883,407	488,341	4,883,407	488,341	
1976	5,695,744	-	-	336,240	363,467	4,996,037	499,604	4,996,037	499,604	
1977	5,800,766	-	-	440,717	271,303	5,088,745	508,875	5,088,745	508,875	
1978	5,912,557	-	-	493,465	257,580	5,161,241	516,124	5,161,241	516,124	
1979	5,975,633	-	-	535,973	248,197	5,191,463	519,146	5,191,463	519,146	
1980	6,174,935	-	-	653,278	217,216	5,504,442	550,444	5,504,442	550,444	
1981	6,485,063	-	-	883,177	166,520	5,435,366	543,537	5,435,366	543,537	
1982	6,906,196	-	-	928,552	94,701	5,882,943	588,294	5,882,943	588,294	
1983	7,126,354	-	-	1,090,264	22,883	6,013,217	601,322	6,013,217	601,322	
1984	7,415,815	-	-	1,147,263	89,359	6,199,163	619,916	6,199,163	619,916	
1985	8,505,701	-	-	1,524,541	115,895	6,865,265	686,527	6,865,265	686,527	
1986	9,321,569	-	-	2,029,216	-	7,292,353	729,235	7,292,353	729,235	
1987	9,846,943	-	-	2,019,270	152,601	7,875,072	787,507	7,875,072	787,507	
1988	10,154,219	-	-	1,997,050	226,478	7,930,691	793,069	7,930,691	793,069	
1989	10,649,544	-	-	1,968,144	480,032	8,201,368	820,137	8,201,368	820,137	
1990	10,923,933	-	-	1,937,593	542,074	8,444,357	844,436	8,444,357	844,436	
1991	11,379,591	-	-	1,906,707	604,427	8,868,456	886,846	8,868,456	886,846	
1992	11,801,903	-	-	1,984,026	645,792	9,172,177	917,218	9,172,177	917,218	
1993	12,147,211	-	-	2,032,269	696,732	9,428,210	942,821	9,428,210	942,821	
1994	12,924,358	-	-	2,108,570	728,132	10,087,856	1,008,786	10,087,856	1,008,786	
1995	15,478,439	-	-	2,132,430	690,934	12,745,075	1,274,508	12,745,075	1,274,508	
1996	17,201,649	37,389,921	3,016,795	2,160,525	680,291	54,767,549	5,476,755	14,360,833	1,436,083	
1997	17,862,017	37,389,921	3,016,821	2,176,428	615,306	55,477,025	5,547,702	15,070,283	1,507,028	
1998	18,618,885	37,389,921	3,016,820	2,209,604	624,366	56,191,657	5,619,166	15,784,916	1,578,492	
1999	19,615,432	37,389,921	3,016,717	2,269,920	1,328,511	56,423,639	5,642,364	16,917,001	1,691,700	
2000	19,435,864	37,389,921	3,016,931	2,228,713	1,758,842	54,855,180	5,485,518	14,448,308	1,444,831	
2001	19,976,444	37,389,921	3,016,605	2,187,026	1,051,819	57,144,185	5,714,419	16,737,599	1,673,760	
2002	20,313,346	37,389,921	3,016,717	2,173,058	898,005	57,658,921	5,765,892	17,252,283	1,725,228	
2003	21,496,067	37,389,921	3,016,665	2,173,058	1,052,424	58,677,171	5,867,717	18,270,585	1,827,058	
2004	23,049,721	37,439,149	3,016,925	2,219,854	1,052,424	60,233,517	6,023,352	19,777,443	1,977,744	
2005	23,077,166	37,439,149	2,803,367	2,219,854	1,156,804	61,943,024	6,194,302	21,700,509	2,170,051	
2006	23,866,458	37,439,149	2,803,535	3,101,775	413,276	62,394,079	6,239,408	22,151,407	2,215,141	
2007	27,314,296	37,439,149	2,803,133	3,270,670	329,381	63,956,526	6,395,653	23,714,245	2,371,424	
2008	28,711,162	37,439,149	2,803,054	3,270,670	366,381	65,316,314	6,531,631	25,074,111	2,507,411	
2009	29,758,446	37,439,149	2,803,263	3,270,670	378,381	66,531,807	6,653,181	26,109,395	2,610,939	
2010	33,350,880	37,439,149	2,803,315	6,372,672	65,262	67,155,410	6,715,541	26,912,946	2,691,295	
2011	34,528,290	37,439,149	2,803,481	6,452,292	102,262	68,216,367	6,821,637	27,973,736	2,797,374	
Category Totals						68,216,367	124,647,761	27,973,736	69,107,104	

1879 Charter Pricing Formula Gross Plant and Equipment Corporate Property, Including the Water Treatment Plant Total	\$ 192,864,148
1879 Charter Pricing Formula Gross Plant and Equipment Corporate Property, Excluding the Water Treatment Plant Total	\$ 88,080,840

Original Data Sources: Aquarion Management, and documentation provided in Appendix B.

EXHIBIT 3
AQUARIUM WATER COMPANY - HINGHAM WATER SYSTEM
ASSEMBLED WORKFORCE CORPORATE PROPERTY
FORMULA PURCHASE PRICE OF CORPORATE PROPERTY
ACCORDING TO THE 1879 CHARTER PRICING FORMULA
AS OF DECEMBER 31, 2011

Year Employed	Number of New Employees Added Per Year	Total Base Salary of New Employees Per Year	Overhead Amount @ 57.3%	Full Absorption Cost of New Employees	Cumulative Payroll Cost [a]	Cost to Recruit and Hire Employee [b]	Annual Cost to Train Employees [c]	Cumulative Cost to Recruit, Hire, and Train Employees	10% Return on Corporate Property
1973	1	9,682	5,551	15,233	15,233	862	140	1,003	100
1974	-	-	-	-	15,896	-	146	1,149	115
1975	-	-	-	-	16,587	-	153	1,302	130
1976	1	11,294	6,475	17,769	35,078	1,006	325	2,631	263
1977	-	-	-	-	36,604	-	357	2,988	297
1978	2	29,328	16,815	46,143	84,359	2,612	777	5,537	516
1979	-	-	-	-	88,608	-	811	6,348	601
1980	-	-	-	-	91,827	-	811	6,669	630
1981	-	-	-	-	94,832	-	883	6,992	661
1982	1	19,292	11,061	30,353	130,354	1,718	1,201	11,817	1,182
1983	-	-	-	-	136,024	-	1,283	13,070	1,307
1984	-	-	-	-	141,942	-	1,308	14,378	1,438
1985	-	-	-	-	148,117	-	1,365	15,743	1,574
1986	-	-	-	-	154,560	-	1,424	17,167	1,717
1987	1	24,731	14,179	38,910	200,194	2,202	1,845	21,214	2,121
1988	-	-	-	-	208,903	-	1,925	23,139	2,314
1989	-	-	-	-	217,991	-	2,009	25,148	2,515
1990	-	-	-	-	227,474	-	2,096	27,244	2,724
1991	1	24,024	13,774	37,798	275,167	2,139	2,536	31,919	3,192
1992	-	-	-	-	287,138	-	2,761	34,565	3,456
1993	-	-	-	-	299,629	-	2,881	37,326	3,733
1994	-	-	-	-	312,663	-	3,006	40,207	4,021
1995	-	-	-	-	326,265	-	3,137	43,213	4,321
1996	-	-	-	-	340,458	-	3,274	46,351	4,635
1997	-	-	-	-	355,269	-	3,416	49,624	4,962
1998	-	-	-	-	370,724	-	3,569	53,040	5,304
1999	2	73,091	41,906	114,997	501,848	6,509	4,826	64,174	6,417
2000	-	-	-	-	546,460	-	5,035	68,999	6,900
2001	-	-	-	-	570,233	-	5,255	74,035	7,403
2002	-	-	-	-	666,381	-	6,141	89,468	8,947
2003	1	45,344	25,998	71,342	695,370	4,038	6,408	95,868	9,588
2004	-	-	-	-	725,620	-	6,686	102,562	10,256
2005	-	-	-	-	82,566	-	4,673	114,973	11,497
2006	1	52,478	30,088	82,566	839,752	4,673	7,738	122,648	12,265
2007	-	-	-	-	876,283	-	8,075	130,723	13,073
2008	1	52,000	29,814	81,814	967,067	4,631	9,109	140,000	14,000
2009	1	140,000	80,268	220,268	1,289,822	12,467	11,609	168,936	16,893
2010	1	37,024	21,227	58,251	1,372,878	3,297	11,681	176,883	17,688
2011	-	-	-	-	1,432,601	-	13,201	190,084	19,008
Category Totals					145,929	46,155	145,929	202,184	20,218

1879 Charter Pricing Formula Assembled Workforce Corporate Property Total \$ 392,267

Footnote:
 [a] Cumulative payroll is increased by 4.35 percent per year. For example, the cumulative payroll cost for the year ended December 31, 1974 was calculated as follows: \$15,233 (1+ 0.435) = \$15,896.
 [b] The Aquarion Water Company estimate, provided by Aquarion Management, of 8.9 percent of salary is inclusive of the external costs of recruiting and hiring. We note that the 8.9 percent cost does not include any internal recruiting and hiring costs, such as, the cost of Aquarion Water Company employees time spent interviewing new employees.
 [c] According to Aquarion Management, on average, Aquarion Water Company devotes 0.9 percent of employee time spent each year on training.
Original Data Sources: Aquarion Management, and documentation provided in Appendix C.

EXHIBIT 4A
 AQUARIUM WATER COMPANY - HINGHAM WATER SYSTEM
 CUSTOMER INFORMATION DATABASE CORPORATE PROPERTY - NEW CUSTOMER CONNECTION DATA
 FORMULA PURCHASE PRICE OF CORPORATE PROPERTY
 ACCORDING TO THE 1879 CHARTER PRICING FORMULA
 AS OF DECEMBER 31, 2011
 (Page 1 of 2)

Year	Cumulative Number of Connections	Number of Customer Connections Per Year	Historical	Total	Overhead	Full Absorption	Cumulative	10% Return on
			Base Labor Cost per Customer Connection [a]	Historical Base Labor Costs	Allocation Percent	Labor Cost of Employee	Historical Labor Cost of New Customer Connection	Corporate Property
	#	A	B	A x B = C	D	C x D = E	F	F x 10%
		#	\$	\$	%	\$	\$	\$
1879	108	108	1.16	125	57.3	197	197	20
1880	216	108	1.21	131	57.3	206	206	21
1881	324	108	1.26	136	57.3	215	215	21
1882	432	108	1.32	142	57.3	224	224	22
1883	540	108	1.38	149	57.3	234	234	23
1884	648	108	1.44	155	57.3	244	244	24
1885	756	108	1.50	162	57.3	254	254	25
1886	864	108	1.56	169	57.3	266	266	27
1887	972	108	1.63	176	57.3	277	277	28
1888	1,080	108	1.70	184	57.3	289	289	29
1889	1,188	108	1.78	192	57.3	302	302	30
1890	1,296	108	1.85	200	57.3	315	617	62
1891	1,404	108	1.93	209	57.3	329	945	95
1892	1,512	108	2.02	218	57.3	343	1,288	129
1893	1,620	108	2.11	227	57.3	358	1,646	165
1894	1,728	108	2.20	237	57.3	373	2,019	202
1895	1,836	108	2.29	248	57.3	390	2,409	241
1896	1,944	108	2.39	258	57.3	406	2,815	282
1897	2,052	108	2.50	270	57.3	424	3,239	324
1898	2,160	108	2.60	281	57.3	443	3,682	368
1899	2,268	108	2.72	294	57.3	462	4,144	414
1900	2,376	108	2.84	306	57.3	482	4,626	463
1901	2,484	108	2.96	320	57.3	503	5,129	513
1902	2,592	108	3.09	334	57.3	525	5,653	565
1903	2,700	108	3.22	348	57.3	548	6,201	620
1904	2,808	108	3.36	363	57.3	571	6,773	677
1905	2,916	108	3.51	379	57.3	596	7,369	737
1906	3,024	108	3.66	396	57.3	622	7,991	799
1907	3,132	108	3.82	413	57.3	649	8,640	864
1908	3,240	108	3.99	431	57.3	678	9,318	932
1909	3,348	108	4.16	449	57.3	707	10,025	1,003
1910	3,456	108	4.34	469	57.3	738	10,763	1,076
1911	3,564	108	4.53	489	57.3	770	11,533	1,153
1912	3,672	108	4.73	511	57.3	803	12,336	1,234
1913	3,780	108	4.93	533	57.3	838	13,174	1,317
1914	3,888	108	5.15	556	57.3	875	14,049	1,405
1915	3,996	108	5.37	580	57.3	913	14,962	1,496
1916	4,104	108	5.61	605	57.3	953	15,915	1,591
1917	4,212	108	5.85	632	57.3	994	16,909	1,691
1918	4,320	108	6.10	659	57.3	1,037	17,946	1,795
1919	4,428	108	6.37	688	57.3	1,082	19,028	1,903
1920	4,536	108	6.65	718	57.3	1,129	20,158	2,016
1921	4,644	108	6.94	749	57.3	1,179	21,336	2,134
1922	4,752	108	7.24	782	57.3	1,230	22,566	2,257
1923	4,860	108	7.55	816	57.3	1,283	23,850	2,385
1924	4,968	108	7.88	851	57.3	1,339	25,189	2,519
1925	5,076	108	8.22	888	57.3	1,397	26,586	2,659
1926	5,184	108	8.58	927	57.3	1,458	28,044	2,804
1927	5,292	108	8.96	967	57.3	1,522	29,566	2,957
1928	5,406	114	9.34	1,065	57.3	1,676	31,242	3,124
1929	5,535	129	9.75	1,258	57.3	1,979	33,221	3,322
1930	5,630	95	10.18	967	57.3	1,521	34,742	3,474
1931	5,704	74	10.62	786	57.3	1,236	35,978	3,598
1932	5,752	48	11.08	532	57.3	837	36,815	3,682
1933	5,286	(466)	11.56	(5,388)	57.3	(8,477)	28,338	2,834
1934	5,326	40	12.06	483	57.3	759	29,098	2,910
1935	5,390	64	12.59	806	57.3	1,268	30,365	3,037
1936	5,435	45	13.14	591	57.3	930	31,295	3,130
1937	5,489	54	13.71	740	57.3	1,165	32,460	3,246
1938	5,530	41	14.30	587	57.3	923	33,383	3,338
1939	5,615	85	14.93	1,269	57.3	1,996	35,379	3,538
1940	5,621	6	15.58	93	57.3	147	35,526	3,553
1941	5,791	170	16.25	2,763	57.3	4,547	39,874	3,987
1942	5,818	27	16.96	458	57.3	721	40,594	4,059
1943	5,826	8	17.70	142	57.3	223	40,817	4,082
1944	5,836	10	18.47	185	57.3	291	41,107	4,111
1945	5,857	21	19.27	405	57.3	637	41,744	4,174
1946	5,917	60	20.11	1,207	57.3	1,898	43,643	4,364
1947	6,087	170	20.99	3,568	57.3	5,613	49,256	4,926

Original Data Sources: Aquarion Management, and documentation provided in Appendix D.

EXHIBIT 4A
AQUARIUM WATER COMPANY - HINGHAM WATER SYSTEM
CUSTOMER INFORMATION DATABASE CORPORATE PROPERTY - NEW CUSTOMER CONNECTION DATA
FORMULA PURCHASE PRICE OF CORPORATE PROPERTY
ACCORDING TO THE 1879 CHARTER PRICING FORMULA
AS OF DECEMBER 31, 2011
 (Page 2 of 2)

Year	Cumulative Number of Connections	Number of Customer Connections Per Year	Historical Base Labor Cost per Customer Connection [a]		Total Historical Base Labor Costs	Overhead Allocation Percent	Full Absorption Labor Cost of Employee	Cumulative Historical Labor Cost of New Customer Connection	10% Return on Corporate Property
			A	B					
	#	#	\$	\$	\$	%	\$	\$	\$
1948	5,805	(282)	21.90	(6,175)	57.3	(9,716)	39,540	3,954	
1949	6,555	750	22.85	17,138	57.3	26,964	66,504	6,650	
1950	6,628	73	23.84	1,741	57.3	2,739	69,242	6,924	
1951	6,659	31	24.88	771	57.3	1,214	70,456	7,046	
1952	7,176	517	25.96	13,424	57.3	21,120	91,576	9,158	
1953	7,021	(155)	27.09	(4,200)	57.3	(6,607)	84,969	8,407	
1954	7,349	328	28.27	9,273	57.3	14,590	99,559	9,956	
1955	7,885	536	29.50	15,813	57.3	24,880	124,439	12,444	
1956	7,753	(132)	30.79	(4,064)	57.3	(6,394)	118,045	11,804	
1957	8,189	436	32.12	14,066	57.3	22,037	140,082	14,008	
1958	8,267	78	33.52	2,615	57.3	4,114	144,196	14,420	
1959	8,074	(193)	34.98	(6,751)	57.3	(10,622)	133,574	13,357	
1960	8,337	263	36.50	9,600	57.3	15,104	148,678	14,868	
1961	8,360	23	38.09	876	57.3	1,378	150,056	15,006	
1962	8,512	152	39.75	6,042	57.3	9,505	159,562	15,956	
1963	8,504	(8)	41.48	(332)	57.3	(522)	159,040	15,904	
1964	8,714	210	43.28	9,089	57.3	14,300	173,340	17,334	
1965	8,743	29	45.16	1,310	57.3	2,061	175,400	17,540	
1966	9,005	262	47.13	12,347	57.3	19,427	194,827	19,483	
1967	9,098	93	49.18	4,574	57.3	7,196	202,023	20,202	
1968	9,226	128	51.32	6,569	57.3	10,335	212,357	21,236	
1969	9,374	148	53.45	7,925	57.3	12,469	224,826	22,483	
1970	9,464	90	55.88	5,020	57.3	7,912	232,739	23,274	
1971	9,590	66	58.31	3,848	57.3	6,095	238,794	23,879	
1972	9,627	97	60.85	5,902	57.3	9,286	248,079	24,808	
1973	9,796	79	63.40	5,016	57.3	7,892	255,971	25,597	
1974	9,759	53	66.25	3,511	57.3	5,525	261,496	26,150	
1975	9,840	81	69.14	5,600	57.3	8,811	270,307	27,031	
1976	9,967	127	72.14	9,162	57.3	14,415	284,722	28,472	
1977	10,342	375	75.28	28,231	57.3	44,117	329,139	32,914	
1978	10,011	(331)	78.56	(26,002)	57.3	(40,910)	288,228	28,822	
1979	10,129	118	81.97	9,673	57.3	15,219	303,447	30,345	
1980	10,208	79	85.54	6,758	57.3	10,632	314,079	31,408	
1981	10,208	-	89.26	-	57.3	-	314,079	31,408	
1982	10,370	162	93.14	15,089	57.3	23,741	337,820	33,782	
1983	10,444	74	97.20	7,192	57.3	11,316	349,136	34,914	
1984	10,590	116	101.42	11,765	57.3	18,511	367,646	36,765	
1985	10,659	99	105.84	10,478	57.3	16,485	384,131	38,413	
1986	10,845	186	110.44	20,542	57.3	32,319	416,450	41,645	
1987	10,528	(317)	115.24	(36,532)	57.3	(57,477)	358,973	35,897	
1988	10,764	236	120.26	28,381	57.3	44,652	403,625	40,363	
1989	11,149	385	125.49	48,313	57.3	76,012	479,638	47,964	
1990	11,149	-	130.95	-	57.3	-	479,638	47,964	
1991	10,827	(322)	136.64	(43,999)	57.3	(69,225)	410,412	41,041	
1992	10,902	75	142.59	10,694	57.3	16,825	427,238	42,724	
1993	10,902	-	148.79	-	57.3	-	427,238	42,724	
1994	11,087	185	155.26	24,065	57.3	37,863	465,101	46,510	
1995	11,166	109	162.02	17,660	57.3	27,785	492,885	49,289	
1996	11,112	(54)	169.06	(9,129)	57.3	(14,364)	478,522	47,852	
1997	11,168	56	176.42	9,879	57.3	15,544	494,065	49,407	
1998	11,222	54	184.09	9,941	57.3	15,640	509,706	50,971	
1999	11,266	44	192.10	8,452	57.3	13,298	523,004	52,300	
2000	11,327	61	200.46	12,228	57.3	19,238	542,243	54,224	
2001	11,404	77	209.18	16,106	57.3	25,341	567,584	56,758	
2002	11,952	548	218.27	119,614	57.3	188,194	755,778	75,578	
2003	12,103	151	227.77	34,393	57.3	54,112	809,890	80,989	
2004	11,978	(125)	237.68	(29,710)	57.3	(46,743)	763,147	76,315	
2005	12,024	46	248.02	11,409	57.3	17,950	781,096	78,110	
2006	12,158	134	258.80	34,680	57.3	54,563	835,660	83,566	
2007	12,471	313	270.06	84,530	57.3	132,994	968,654	96,865	
2008	12,506	35	281.81	9,863	57.3	15,518	984,172	98,417	
2009	12,598	92	294.07	27,054	57.3	42,566	1,026,738	102,674	
2010	12,682	84	306.86	25,776	57.3	40,555	1,067,293	106,729	
2011	12,740	58	320.21	18,572	57.3	29,220	1,096,513	109,651	
		12,740							
					Category Totals		1,098,918	2,549,339	

1879 Charter Pricing Formula Customer Information Database, New Connection Data Corporate Property Total \$ 3,648,257

Footnote:
 [a] Based on an employee labor cost of \$320.21 to create a new account setup, for the year ended December 31, 2011. For each previous year ended December 31, labor cost was decreased by 4.35 percent. For example, the labor cost for the year ended December 31, 2010 was calculated as follows: $320.21 / (1 + .0435) = \$306.86$.

Original Data Sources: Aquarion Management, and documentation provided in Appendix D.

EXHIBIT 4B
AQUARIUM WATER COMPANY - HINGHAM WATER SYSTEM
CUSTOMER INFORMATION DATABASE CORPORATE PROPERTY - MOVE-IN CONNECTION CUSTOMER DATA
FORMULA PURCHASE PRICE OF CORPORATE PROPERTY
ACCORDING TO THE 1879 CHARTER PRICING FORMULA
AS OF DECEMBER 31, 2011

Year	Average Number of Customer Connections Per Year	Historical Base Labor Cost per Customer Connection [a]		Total Historical Base Labor Costs	Overhead Allocation Percent	Full Absorption Labor Cost of Employee	Cumulative Historical Labor Cost of Customer Database	10% Return on Corporate Property
		A	B					
	#	\$	\$	A x B = C	D %	\$	\$	\$
2000	1,049	5.32	5,583	5,874	57.3	8,784	8,784	878
2001	1,049	5.55	5,826	5,826	57.3	9,166	17,951	1,795
2002	1,049	5.79	6,080	6,080	57.3	9,565	27,516	2,752
2003	1,049	6.05	6,344	6,344	57.3	9,981	37,497	3,750
2004	1,049	6.31	6,620	6,620	57.3	10,415	47,913	4,791
2005	1,049	6.58	6,908	6,908	57.3	10,869	58,781	5,878
2006	1,049	6.87	7,208	7,208	57.3	11,341	70,123	7,012
2007	1,049	7.17	7,522	7,522	57.3	11,835	81,957	8,196
2008	1,049	7.48	7,849	7,849	57.3	12,350	94,307	9,431
2009	1,049	7.81	8,191	8,191	57.3	12,887	107,194	10,719
2010	1,049	8.15	8,547	8,547	57.3	13,447	120,641	12,064
2011	1,049	8.50	8,919	8,919	57.3	14,032	134,674	13,467
12,591								
				Category Totals		134,674		80,734
								215,407

Footnote:
 [a] Based on an employee labor cost of \$8.50 to change account setup, for the year ended December 31, 2011. For each previous year ended December 31, labor cost was decreased by 4.35 percent. For example, the labor cost for the year ended December 31, 2010 was calculated as follows: \$8.50/(1+.0435) = \$8.15.

Original Data Sources: Aquarion Management, and documentation provided in Appendix D.

EXHIBIT 4C
AQUARIUM WATER COMPANY - HINGHAM WATER SYSTEM
CUSTOMER INFORMATION DATABASE CORPORATE PROPERTY - METER CHANGE-OUT DATA
FORMULA PURCHASE PRICE OF CORPORATE PROPERTY
ACCORDING TO THE 1879 CHARTER PRICING FORMULA
AS OF DECEMBER 31, 2011

Year	Number of Meter Change-outs per Year	Historical Base Labor Cost per Customer Connection [a]		Total Historical Base Labor Costs	Overhead Allocation Percent	Full Absorption Labor Cost of Employee	Cumulative Historical Labor Cost of Customer Database		10% Return on Corporate Property
		A	B				F	F x 10%	
	#	\$	\$	A x B = C	D %	C x D = E	\$	\$	\$
2002	1,247	20.30	20.30	25,313	57.3	39,827	39,827	3,983	
2003	1,247	21.18	21.18	26,415	57.3	41,559	81,386	8,139	
2004	1,247	22.10	22.10	27,564	57.3	43,367	124,753	12,475	
2005	1,247	23.07	23.07	28,763	57.3	45,254	170,007	17,001	
2006	1,247	24.07	24.07	30,014	57.3	47,222	217,229	21,723	
2007	1,247	25.12	25.12	31,320	57.3	49,277	266,505	26,651	
2008	1,247	26.21	26.21	32,682	57.3	51,420	317,926	31,793	
2009	1,247	27.35	27.35	34,104	57.3	53,657	371,583	37,158	
2010	1,247	28.54	28.54	35,588	57.3	55,991	427,574	42,757	
2011	1,247	29.78	29.78	37,136	57.3	58,427	486,001	48,600	
	12,470								
							486,001	250,279	
									736,280

1879 Charter Pricing Formula Customer Information Database, Meter Change-out Data Corporate Property Total

Footnote:
 [a] Based on an employee labor cost of \$29.78 to change out meter, for the year ended December 31, 2011. For each previous year ended December 31, labor cost was decreased by 4.35 percent. For example, the labor cost for the year ended December 31, 2010 was calculated as follows: \$29.78/(1+.0435) = \$28.54.

Original Data Sources: Aquarion Management, and documentation provided in Appendix D.

EXHIBIT 4 D
AQUARION WATER COMPANY - HINGHAM WATER SYSTEM
CUSTOMER INFORMATION DATABASE CORPORATE PROPERTY SUMMARY
FORMULA PURCHASE PRICE OF CORPORATE PROPERTY
ACCORDING TO THE 1879 CHARTER PRICING FORMULA
AS OF DECEMBER 31, 2011

Exhibit Reference	Historical Cost of Corporate Property Component		10% Return on Corporate Property
	\$ A	\$ B	
Customer Information Database Corporate Property, New Customer Connection Data	1,098,918	2,549,339	
Customer Information Database Corporate Property, Move-in Customer Connection Data	134,674	80,734	
Customer Information Database Corporate Property, Meter Change-out Data	486,001	250,279	
	<u>Category Totals</u>	<u>1,719,593</u>	<u>2,880,351</u>
1879 Charter Pricing Formula Customer Information Database Corporate Property Total \$ <u>4,599,944</u>			

Original Data Sources: Aquarion Management, and documentation provided in Appendix D.

**EXHIBIT 5
 AQUARION WATER COMPANY - HINGHAM WATER SYSTEM
 PROPERTY MAINTENANCE DATABASE CORPORATE PROPERTY
 FORMULA PURCHASE PRICE OF CORPORATE PROPERTY
 ACCORDING TO THE 1879 CHARTER PRICING FORMULA
 AS OF DECEMBER 31, 2011**

Year	Historical	Overhead	Full Absorption	Cumulative	10% Return on
	Base Labor Cost Of Employee [a]	Allocation Percent	Labor Cost of Employee	Historical Labor Cost to Maintain Property Records	Corporate Property
	A	B	A x (1+ B) = C	D	D x 10%
	\$	%	\$	\$	\$
1968	1,494	57.3	2,350	2,350	235
1969	1,559	57.3	2,452	4,802	480
1970	1,626	57.3	2,559	7,361	736
1971	1,697	57.3	2,670	10,031	1,003
1972	1,771	57.3	2,786	12,817	1,282
1973	1,848	57.3	2,907	15,724	1,572
1974	1,928	57.3	3,034	18,758	1,876
1975	2,012	57.3	3,166	21,924	2,192
1976	2,100	57.3	3,304	25,228	2,523
1977	2,191	57.3	3,447	28,675	2,868
1978	2,286	57.3	3,597	32,272	3,227
1979	2,386	57.3	3,754	36,026	3,603
1980	2,490	57.3	3,917	39,943	3,994
1981	2,598	57.3	4,087	44,031	4,403
1982	2,711	57.3	4,265	48,296	4,830
1983	2,829	57.3	4,451	52,747	5,275
1984	2,952	57.3	4,644	57,391	5,739
1985	3,080	57.3	4,846	62,238	6,224
1986	3,214	57.3	5,057	67,295	6,730
1987	3,354	57.3	5,277	72,572	7,257
1988	3,500	57.3	5,507	78,079	7,808
1989	3,652	57.3	5,746	83,826	8,383
1990	3,811	57.3	5,996	89,822	8,982
1991	3,977	57.3	6,257	96,080	9,608
1992	4,150	57.3	6,530	102,609	10,261
1993	4,331	57.3	6,814	109,423	10,942
1994	4,519	57.3	7,110	116,533	11,653
1995	4,716	57.3	7,419	123,952	12,395
1996	4,921	57.3	7,742	131,694	13,169
1997	5,135	57.3	8,079	139,773	13,977
1998	5,358	57.3	8,430	148,203	14,820
1999	5,591	57.3	8,797	157,000	15,700
2000	5,835	57.3	9,180	166,180	16,618
2001	6,088	57.3	9,579	175,759	17,576
2002	6,353	57.3	9,996	185,755	18,575
2003	6,630	57.3	10,431	196,185	19,619
2004	6,918	57.3	10,884	207,069	20,707
2005	7,219	57.3	11,358	218,427	21,843
2006	7,533	57.3	11,852	230,279	23,028
2007	7,861	57.3	12,368	242,647	24,265
2008	8,203	57.3	12,906	255,552	25,555
2009	8,559	57.3	13,467	269,019	26,902
2010	8,932	57.3	14,053	283,072	28,307
2011	9,320	57.3	14,664	297,736	29,774

Category Totals 297,736 476,515

1879 Charter Pricing Formula Property Maintenance Records Database Corporate Property Total	\$ 774,251
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Footnote:

[a] Based on an employee salary of \$88,811.71 a year whom devotes 10.4945 percent of a full year to maintaining the property maintenance record database, for the year ended December 31, 2011. For each previous year ended December 31, labor cost was decreased by 4.35 percent. For example as of December 31, 2011 the cost of the employee was calculated as follows: \$88,811.71 x 10.4945 percent = 9,320.4. The employee cost for the year ended December 31, 2010 was calculated as follows: \$9,320.4/(1+.0435) = \$8,932.

Original Data Sources: Aquarion Management, and documentation provided in Appendix E.

EXHIBIT 6
AQUARIUM WATER COMPANY - HINGHAM WATER SYSTEM
WATER TESTING RECORDS DATABASE CORPORATE PROPERTY
FORMULA PURCHASE PRICE OF CORPORATE PROPERTY
ACCORDING TO THE 1879 CHARTER PRICING FORMULA
AS OF DECEMBER 31, 2011

Year	Historical Labor Cost Spent to Test Water Per Year [a]		Overhead Allocation Percent		Full Absorption Labor Cost to Test Water Per Year		Cumulative Historical Labor Cost to Test Water Per Year		10% Return on Corporate Property Ex 10%	
	A	B	%	A x B = C	E	\$	E	\$	E	\$
2000	4,223	57.3	57.3	6,645	6,645	6,645	664			
2001	4,407	57.3	57.3	6,934	13,578	13,578	1,358			
2002	4,599	57.3	57.3	7,235	20,813	20,813	2,081			
2003	4,799	57.3	57.3	7,550	28,363	28,363	2,836			
2004	5,007	57.3	57.3	7,878	36,242	36,242	3,624			
2005	5,225	57.3	57.3	8,221	44,463	44,463	4,446			
2006	5,453	57.3	57.3	8,579	53,041	53,041	5,304			
2007	5,690	57.3	57.3	8,952	61,993	61,993	6,199			
2008	5,937	57.3	57.3	9,341	71,335	71,335	7,133			
2009	6,196	57.3	57.3	9,748	81,082	81,082	8,108			
2010	6,465	57.3	57.3	10,172	91,254	91,254	9,125			
2011	6,746	57.3	57.3	10,614	101,868	101,868	10,187			
Category Totals							101,868	61,068		

1879 Charter Pricing Formula Water Testing Records Database Corporate Property Total \$ 162,936

Footnote:
 [a] Based on an employee labor cost of \$6,746 spent on water records testing, for the year ended December 31, 2011. For each previous year ended December 31, labor cost was decreased by 4.35 percent. For example, the labor cost for the year ended December 31, 2010 was calculated as follows:
 \$6,746/(1+.0435) = \$6,465.

Original Datas Source: Aquarion Management, and documentation provided in Appendix F.

EXHIBIT 7
AQUARION WATER COMPANY - HINGHAM WATER SYSTEM
HINGHAM WATER SYSTEM DIVIDENDS
FORMULA PURCHASE PRICE OF CORPORATE PROPERTY
ACCORDING TO THE 1879 CHARTER PRICING FORMULA
AS OF DECEMBER 31, 2011
PAGE (1 OF 2)

Year	Preferred Stockholders	Common Stockholders	Mass Cap	Total Distributions Including Mass	Total Distributions Not Including Mass
	Dividends	Dividends	Dividends	Cap Dividends	Cap Dividends
	A	B	C	A + B + C	A + B
	(\$)	(\$)	(\$)	(\$)	(\$)
1879	-	-	-	-	-
1880	-	-	-	-	-
1881	-	2,400	-	2,400	2,400
1882	-	6,000	-	6,000	6,000
1883	-	7,200	-	7,200	7,200
1884	-	7,200	-	7,200	7,200
1885	-	7,200	-	7,200	7,200
1886	-	7,200	-	7,200	7,200
1887	-	7,200	-	7,200	7,200
1888	-	7,200	-	7,200	7,200
1889	-	7,200	-	7,200	7,200
1890	-	7,200	-	7,200	7,200
1891	-	7,200	-	7,200	7,200
1892	-	7,200	-	7,200	7,200
1893	-	7,200	-	7,200	7,200
1894	-	7,200	-	7,200	7,200
1895	-	7,200	-	7,200	7,200
1896	-	7,200	-	7,200	7,200
1897	-	7,200	-	7,200	7,200
1898	-	7,200	-	7,200	7,200
1899	-	7,200	-	7,200	7,200
1900	-	7,200	-	7,200	7,200
1901	-	7,200	-	7,200	7,200
1902	-	7,200	-	7,200	7,200
1903	-	7,200	-	7,200	7,200
1904	-	9,000	-	9,000	9,000
1905	-	9,000	-	9,000	9,000
1906	-	9,000	-	9,000	9,000
1907	-	9,000	-	9,000	9,000
1908	-	9,000	-	9,000	9,000
1909	-	9,000	-	9,000	9,000
1910	-	9,000	-	9,000	9,000
1911	-	18,000	-	18,000	18,000
1912	-	18,000	-	18,000	18,000
1913	-	21,000	-	21,000	21,000
1914	-	24,000	-	24,000	24,000
1915	-	24,000	-	24,000	24,000
1916	-	24,000	-	24,000	24,000
1917	-	26,400	-	26,400	26,400
1918	-	26,400	-	26,400	26,400
1919	-	26,400	-	26,400	26,400
1920	-	26,400	-	26,400	26,400
1921	-	26,400	-	26,400	26,400
1922	-	26,400	-	26,400	26,400
1923	-	26,400	-	26,400	26,400
1924	-	26,400	-	26,400	26,400
1925	-	26,400	-	26,400	26,400
1926	-	26,400	-	26,400	26,400
1927	-	26,400	-	26,400	26,400
1928	-	26,400	-	26,400	26,400
1929	-	13,200	-	13,200	13,200
1930	-	-	-	-	-
1931	-	70,400	-	70,400	70,400
1932	-	57,200	-	57,200	57,200
1933	-	52,800	-	52,800	52,800
1934	-	35,200	-	35,200	35,200
1935	-	35,200	-	35,200	35,200
1936	-	44,000	-	44,000	44,000
1937	-	35,200	-	35,200	35,200
1938	-	35,200	-	35,200	35,200
1939	-	35,200	-	35,200	35,200
1940	-	22,000	-	22,000	22,000
1941	-	28,600	-	28,600	28,600
1942	-	25,300	-	25,300	25,300
1943	-	40,400	-	40,400	40,400
1944	-	37,200	-	37,200	37,200
1945	-	34,800	-	34,800	34,800
1946	-	22,800	-	22,800	22,800
1947	-	22,800	-	22,800	22,800
1948	-	29,760	-	29,760	29,760
1949	-	35,808	-	35,808	35,808
1950	-	19,872	-	19,872	19,872
1951	-	20,976	-	20,976	20,976
1952	-	24,240	-	24,240	24,240
1953	-	67,152	-	67,152	67,152
1954	4,608	44,880	-	49,488	49,488
1955	10,500	40,320	-	50,820	50,820
1956	10,200	28,320	-	38,510	38,510
1957	10,080	28,320	-	38,400	38,400

Original Data Source: Aquarion Management, and documentation provided in Appendix B.

EXHIBIT 7
AQUARION WATER COMPANY - HINGHAM WATER SYSTEM
HINGHAM WATER SYSTEM DIVIDENDS
FORMULA PURCHASE PRICE OF CORPORATE PROPERTY
ACCORDING TO THE 1879 CHARTER PRICING FORMULA
AS OF DECEMBER 31, 2011
PAGE (2 OF 2)

Year	Preferred Stockholders	Common Stockholders	Mass Cap	Total Distributions Including Mass	Total Distributions Not Including Mass
	Dividends	Dividends	Dividends	Cap Dividends	Cap Dividends
	A	B	C	A + B + C	A + B
	(\$)	(\$)	(\$)	(\$)	(\$)
1958	9,870	57,041	-	66,911	66,911
1959	9,660	71,618	-	81,278	81,278
1960	9,430	80,638	-	90,068	90,068
1961	9,240	79,928	-	89,168	89,168
1962	9,030	93,138	-	102,168	102,168
1963	12,462	104,529	-	116,991	116,991
1964	15,735	85,231	-	100,966	100,966
1965	15,454	99,718	-	115,172	115,172
1966	15,101	99,117	-	114,218	114,218
1967	14,749	84,629	-	99,378	99,378
1968	14,396	58,529	-	70,925	70,925
1969	14,044	49,531	-	63,575	63,575
1970	13,691	56,529	-	70,220	70,220
1971	13,439	56,622	-	70,060	70,060
1972	12,776	59,916	-	72,692	72,692
1973	12,214	18,114	-	30,328	30,328
1974	11,651	40,687	-	52,339	52,339
1975	11,089	14,491	-	25,580	25,580
1976	10,526	81,723	-	92,249	92,249
1977	6,964	43,827	-	50,790	50,790
1978	9,401	29,192	-	38,593	38,593
1979	8,839	-	-	8,839	8,839
1980	8,276	50,395	-	58,671	58,671
1981	10,518	58,467	-	68,985	68,985
1982	10,225	39,681	-	49,907	49,907
1983	6,289	37,658	-	44,246	44,246
1984	9,408	39,612	-	49,020	49,020
1985	5,464	110,636	-	116,100	116,100
1986	4,901	-	-	4,901	4,901
1987	4,339	-	-	4,339	4,339
1988	3,776	-	-	3,776	3,776
1989	3,633	-	-	3,633	3,633
1990	290	-	-	290	290
1991	-	199,418	-	199,418	199,418
1992	-	370,595	-	370,595	370,595
1993	-	449,620	-	449,620	449,620
1994	-	334,309	-	334,309	334,309
1995	-	211,850	-	211,850	211,850
1996	-	307,381	-	307,381	307,381
1997	-	335,381	-	335,381	335,381
1998	-	373,358	-	373,358	373,358
1999	-	418,349	-	418,349	418,349
2000	-	235,618	-	235,618	235,618
2001	-	309,297	-	309,297	309,297
2002	-	225,003	-	225,003	225,003
2003	-	421,087	-	421,087	421,087
2004	-	437,656	-	437,656	437,656
2005	-	296,281	-	296,281	296,281
2006	-	329,992	-	329,992	329,992
2007	-	103,371	3,100,000	3,203,371	103,371
2008	-	210,851	-	210,851	210,851
2009	-	285,147	-	285,147	285,147
2010	-	160,573	-	160,573	160,573
2011	-	-	1,504,000	1,504,000	-
Dividend Totals	362,678	9,368,299	4,604,000	14,334,977	9,730,977

1879 Charter Pricing Formula Hingham Water System Dividends, Including Mass Cap	\$ 14,334,977
1879 Charter Pricing Formula Hingham Water System Dividends, Excluding Mass Cap	\$ 9,730,977

Original Data Source: Aquarion Management, and documentation provided in Appendix B.

APPENDIX B – GROSS PLANT AND EQUIPMENT AND DIVIDENDS SOURCE DOCUMENTATION

Summary Sheet of Gross Plant and Dividends

Hingham/Hull/Cohasset Water System

Year	Gross Plant	CIAC	Advances	Preferred	Dividends Common	Total	HWTP Gross Plant	Restricted Cash Reserve	Dividends
1879	34,497					-			
1880	74,625					-			
1881	74,625				2,400	2,400			
1882	121,921				6,000	6,000			
1883	169,633				7,200	7,200			
1884	198,546				7,200	7,200			
1885	210,944				7,200	7,200			
1886	249,331				7,200	7,200			
1887	252,216				7,200	7,200			
1888	266,837				7,200	7,200			
1889	267,224				7,200	7,200			
1890	267,266				7,200	7,200			
1891	280,160				7,200	7,200			
1892	284,260				7,200	7,200			
1893	298,106				7,200	7,200			
1894	325,976				7,200	7,200			
1895	328,959				7,200	7,200			
1896	335,220				7,200	7,200			
1897	342,362				7,200	7,200			
1898	345,546				7,200	7,200			
1899	348,628				7,200	7,200			
1900	353,552				7,200	7,200			
1901	360,164				7,200	7,200			
1902	363,356				7,200	7,200			
1903	416,658				7,200	7,200			
1904	434,508				7,200	7,200			
1905	436,053				9,000	9,000			
1906	459,438				9,000	9,000			
1907	465,857				9,000	9,000			
1908	473,478				9,000	9,000			
1909	511,364				9,000	9,000			
1910	615,844				9,000	9,000			
1911	652,100				18,000	18,000			
1912	663,879				18,000	18,000			
1913	679,160				21,000	21,000			
1914	688,285				24,000	24,000			
1915	705,706				24,000	24,000			
1916	714,054				24,000	24,000			
1917	746,657				26,400	26,400			
1918	779,260				26,400	26,400			
1919	811,862				26,400	26,400			
1920	844,465				26,400	26,400			
1921	877,068				26,400	26,400			
1922	909,671				26,400	26,400			
1923	942,273				26,400	26,400			
1924	974,876				26,400	26,400			
1925	988,224				26,400	26,400			
1926	1,005,878				26,400	26,400			
1927	1,018,255				26,400	26,400			
1928	1,036,335				26,400	26,400			
1929	1,055,956				13,200	13,200			
1930	1,067,191				-	-			
1931	1,075,013				70,400	70,400			

1932	1,084,398				57,200	57,200		
1933	1,122,739				52,800	52,800		
1934	1,156,693				35,200	35,200		
1935	1,182,015				35,200	35,200		
1936	1,188,602				44,000	44,000		
1937	1,228,923				35,200	35,200		
1938	1,260,796				35,200	35,200		
1939	1,294,514				35,200	35,200		
1940	1,311,793				22,000	22,000		
1941	1,331,004				28,600	28,600		
1942	1,368,125	5,478			25,300	25,300		
1943	1,380,838	6,531			40,400	40,400		
1944	1,382,072	6,799			37,200	37,200		
1945	1,387,653	12,301			34,800	34,800		
1946	1,420,535	21,368			22,800	22,800		
1947	1,476,896	21,745			22,800	22,800		
1948	1,558,059	21,745			29,760	29,760		
1949	1,593,580	22,001	41,849		35,808	35,808		
1950	1,662,307	24,016	59,044		19,872	19,872		
1951	1,717,517	24,551	71,628		20,976	20,976		
1952	1,822,612	24,821	93,803		24,240	24,240		
1953	2,025,293	25,489	100,267		67,152	67,152		
1954	2,212,911	27,463	140,623	4,608	44,880	49,488		
1955	2,344,627	27,463	160,879	10,500	40,320	50,820		
1956	2,586,980	42,071	202,261	10,290	28,320	38,610		
1957	2,724,625	45,764	189,159	10,080	28,320	38,400		
1958	2,776,391	48,581	193,106	9,870	57,041	66,911		
1959	2,830,076	55,326	179,279	9,660	71,618	81,278		
1960	2,896,935	55,326	194,563	9,450	80,638	90,088		
1961	3,006,047	61,547	237,255	9,240	79,928	89,168		
1962	3,125,465	66,177	273,845	9,030	93,158	102,188		
1963	3,502,386	82,650	342,148	12,462	104,529	116,991		
1964	3,649,342	120,103	292,013	15,735	85,231	100,966		
1965	3,814,016	137,055	328,987	15,454	99,718	115,172		
1966	3,980,956	149,347	326,921	15,101	99,117	114,218		
1967	4,251,732	163,561	322,933	14,749	84,629	99,378		
1968	4,372,645	173,970	319,720	14,396	56,529	70,925		
1969	4,704,539	180,006	373,710	14,044	49,531	63,575		
1970	4,872,831	187,736	385,112	13,691	56,529	70,220		
1971	5,063,938	189,351	365,191	13,439	56,622	70,060		
1972	5,244,421	222,760	361,796	12,776	59,916	72,692		
1973	5,341,422	250,792	341,215	12,214	18,114	30,328		
1974	5,422,046	262,635	372,251	11,651	40,687	52,339		
1975	5,592,603	316,467	392,729	11,089	14,491	25,580		
1976	5,695,744	336,240	363,467	10,526	81,723	92,249		
1977	5,800,766	440,717	271,303	6,964	43,827	50,790		
1978	5,912,557	493,465	257,850	9,401	29,192	38,593		
1979	5,975,633	535,973	248,197	8,839	-	8,839		
1980	6,174,935	653,278	217,216	8,276	50,395	58,671		
1981	6,485,063	883,177	166,520	10,518	58,467	68,985		
1982	6,906,196	928,552	94,701	10,225	39,681	49,907		
1983	7,126,364	1,090,264	22,883	6,589	37,658	44,246		
1984	7,415,815	1,147,263	69,389	9,408	39,612	49,020		
1985	8,505,701	1,524,541	115,895	5,464	110,636	116,100		
1986	9,321,569	2,029,216	-	4,901	-	4,901		
1987	9,846,943	2,019,270	152,601	4,339	-	4,339		
1988	10,154,219	1,997,050	226,478	3,776	-	3,776		
1989	10,649,544	1,968,144	480,032	3,633	-	3,633		
1990	10,923,933	1,937,503	542,074	290	-	290		
1991	11,379,591	1,906,707	604,427	-	199,418	199,418		
1992	11,801,905	1,984,026	645,702	-	370,595	370,595		
1993	12,147,211	2,032,269	686,732	-	449,620	449,620		
1994	12,924,358	2,108,370	728,132	-	334,309	334,309		
1995	15,478,439	2,132,430	600,934	-	211,850	211,850		
1996	17,201,649	2,160,525	680,291	-	307,381	307,381	37,389,921	3,016,795
1997	17,862,017	2,176,428	615,306	-	335,581	335,581	37,389,921	3,016,821
1998	18,618,885	2,209,604	624,366	-	373,358	373,358	37,389,921	3,016,820
1999	19,615,432	2,269,920	1,328,511	-	418,349	418,349	37,389,921	3,016,717
2000	18,435,864	2,228,713	1,758,842	-	235,168	235,168	37,389,921	3,016,951
2001	19,976,444	2,287,026	1,051,819	-	308,736	308,736	37,389,921	3,016,665
2002	20,313,346	2,173,058	888,005	-	224,600	224,600	37,389,921	3,016,717
2003	21,496,067	2,173,058	1,052,424	-	420,400	420,400	37,389,921	3,016,665
2004	23,049,721	2,219,854	1,052,424	-	436,974	436,974	37,439,149	3,016,925
2005	25,077,166	2,219,854	1,156,804	-	295,848	295,848	37,439,149	2,803,367
2006	25,666,458	3,101,775	413,276	-	329,521	329,521	37,439,149	2,803,523
2007	27,314,296	3,270,670	329,381	-	103,231	103,231	37,439,149	2,803,133
2008	28,711,162	3,270,670	366,381	-	210,575	210,575	37,439,149	2,803,054
2009	29,758,446	3,270,670	378,381	-	284,784	284,784	37,439,149	2,803,263
2010	33,350,880	6,372,672	65,262	-	160,385	160,385	37,439,149	2,803,315
2011	34,528,290	6,452,292	102,262	-	-	-	37,439,149	2,803,481
								1,504,000

Three-Factor Method Allocation Schedule and Dividend Allocation

Three-Factor Method Allocation Schedule and Dividend Allocation

Year	1		2		3 = 1/2		4		5 = 1 + 4		6 = 2 + 4		7 = 5/6		8		9		10 = 8/9		11 = Avg (8,7,10)		12		13		14 = 12 + 13		15 = 11 x 14		16 = 11 x 12		17 = 11 x 13	
	Hingham/Hubb Cohasset (HHC) Plant	Total Aquarion Water Company of MA (AWCMA) Plant	HHC %	Hingham Water Treatment Plant (HWT/P)	HHC w/HWT/P	HHC w/HWT/P	AWCMA Plant w/HWT/P	HHC %	HHC Customers	AWCMA Customers	HHC %	Avg HHC %	AWCMA Dividends	Common Dividends	AWCMA Preferred Dividends	Total AWCMA Dividends	HHC Dividend Share	HHC Dividend Share (C)	HHC Dividend Share (P)															
1989	10,649,544	16,907,223	63.0%	-	10,649,544	16,907,223	63.0%	10,902	16,103	67.7%	64.6%	-	-	5,627	5,627	3,633	-	-	3,633	-	-	-	-	-	-	-	-	-	-	-	-	3,633		
1990	10,923,933	17,645,683	61.9%	-	10,923,933	17,645,683	61.9%	10,902	16,103	67.7%	63.8%	-	-	455	455	290	-	-	290	-	-	-	-	-	-	-	-	-	-	-	-	290		
1991	11,379,591	18,240,518	62.4%	-	11,379,591	18,240,518	62.4%	10,902	16,103	67.7%	64.2%	310,823	310,823	-	310,823	199,418	199,418	199,418	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1992	11,801,905	19,073,532	61.9%	-	11,801,905	19,073,532	61.9%	10,902	16,244	67.1%	63.6%	582,496	582,496	-	582,496	370,595	370,595	370,595	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1993	12,147,211	19,800,747	61.3%	-	12,147,211	19,800,747	61.3%	10,988	16,390	67.0%	63.2%	710,916	710,916	-	710,916	449,620	449,620	449,620	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1994	12,924,358	20,819,002	62.1%	-	12,924,358	20,819,002	62.1%	11,057	16,434	67.3%	63.8%	523,884	523,884	-	523,884	334,309	334,309	334,309	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	15,478,439	23,547,937	65.7%	-	15,478,439	23,547,937	65.7%	11,166	16,588	67.3%	66.3%	319,730	319,730	-	319,730	211,850	211,850	211,850	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	17,201,649	25,832,000	66.6%	37,389,921	54,591,570	63,221,921	86.3%	11,112	16,550	67.1%	73.4%	419,000	419,000	-	419,000	307,381	307,381	307,381	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1997	17,862,017	26,579,000	67.2%	37,389,921	55,251,938	63,968,921	86.4%	11,168	16,619	67.2%	73.6%	456,000	456,000	-	456,000	335,581	335,581	335,581	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1998	18,618,885	27,641,009	67.4%	37,389,921	56,008,806	65,030,930	86.1%	11,222	16,704	67.2%	73.6%	507,584	507,584	-	507,584	373,358	373,358	373,358	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1999	19,615,432	29,934,138	65.5%	37,389,921	57,005,353	67,324,059	84.7%	11,266	16,781	67.1%	72.4%	577,466	577,466	-	577,466	418,349	418,349	418,349	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	18,435,864	31,330,077	58.8%	37,389,921	55,825,785	68,719,998	81.2%	11,327	16,918	67.0%	69.0%	340,769	340,769	-	340,769	235,168	235,168	235,168	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2001	19,976,444	32,870,331	60.8%	37,389,921	57,366,365	70,240,532	81.7%	11,404	17,014	67.0%	69.8%	442,211	442,211	-	442,211	308,736	308,736	308,736	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2002	20,313,346	33,208,556	61.2%	37,389,921	57,703,267	70,598,477	81.7%	11,952	17,665	67.7%	70.2%	320,000	320,000	-	320,000	224,600	224,600	224,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2003	21,496,067	40,191,000	53.5%	37,389,921	58,885,988	77,580,921	75.9%	12,103	17,884	67.7%	65.7%	640,000	640,000	-	640,000	420,400	420,400	420,400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2004	23,049,721	42,297,000	54.5%	37,439,149	60,488,870	79,736,149	75.9%	12,161	18,001	67.7%	66.0%	662,000	662,000	-	662,000	436,974	436,974	436,974	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2005	25,077,166	46,189,000	54.3%	37,439,149	62,516,315	83,628,149	74.8%	12,024	17,979	66.9%	65.3%	453,000	453,000	-	453,000	295,848	295,848	295,848	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2006	25,666,458	48,166,000	53.3%	37,439,149	63,105,607	85,605,149	73.7%	12,158	18,192	66.8%	64.6%	510,000	510,000	-	510,000	329,521	329,521	329,521	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2007	27,314,296	51,309,000	53.2%	37,439,149	64,753,445	88,748,149	73.0%	12,471	18,514	67.4%	64.5%	180,000	180,000	-	180,000	103,231	103,231	103,231	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2008	28,711,162	53,364,000	53.8%	37,439,149	66,190,311	90,803,149	72.9%	12,506	18,630	67.1%	64.5%	326,000	326,000	-	326,000	210,575	210,575	210,575	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2009	29,758,446	54,889,648	54.2%	37,439,149	67,197,595	92,328,797	72.8%	12,598	18,754	67.2%	64.7%	440,000	440,000	-	440,000	284,784	284,784	284,784	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2010	33,350,880	60,345,546	55.3%	37,439,149	70,790,029	97,784,695	72.4%	12,682	18,889	67.1%	64.9%	247,000	247,000	-	247,000	160,385	160,385	160,385	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2011	34,528,290	61,790,801	55.9%	37,439,149	71,967,439	99,229,950	72.5%	12,740	18,960	67.2%	65.2%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Aqurion Allocation of CIAC and Advances

Year	Aqurion Water Company of Massachusetts (AWCMA)						Hingham/Hull/Cohasset (HHC)			
	CIAC			ADVANCES			CIAC		ADVANCES	
	Begin	End	Difference	Begin	End	Difference	Allocation	HHC Shared	HHC Shared	
1989	2,857,707	2,812,933	(44,774)	226,478	619,223	392,745	64.56%	(28,905.61)	253,553.53	
1990	2,812,933	2,764,934	(47,999)	619,223	716,409	97,186	63.84%	(30,641.78)	62,042.47	
1991	2,764,934	2,716,935	(47,999)	716,409	813,596	97,186	64.16%	(30,795.13)	62,352.96	
1992	2,716,935	2,838,464	121,529	813,596	878,471	64,875	63.62%	77,318.88	41,274.95	
1993	2,838,464	2,914,742	76,278	878,471	943,347	64,875	63.25%	48,242.17	41,030.52	
1994	2,914,742	3,033,998	119,256	943,347	1,008,222	64,875	63.81%	76,101.60	41,399.26	
1995	3,033,998	3,070,310	36,312	1,008,222	816,252	(191,970)	66.26%	24,059.89	(127,197.61)	
1996	3,070,310	3,108,607	38,297	816,252	924,426	108,174	73.36%	28,094.86	79,357.24	
1997	3,108,607	3,130,218	21,610	924,426	836,121	(88,305)	73.59%	15,903.43	(64,985.65)	
1998	3,130,218	3,175,320	45,102	836,121	848,438	12,317	73.56%	33,175.52	9,059.87	
1999	3,175,320	3,258,577	83,257	848,438	1,820,401	971,963	72.45%	60,315.81	704,145.83	
2000	3,258,577	3,198,867	(59,710)	1,820,401	2,443,970	623,569	69.01%	(41,206.22)	430,330.85	
2001	3,198,867	3,139,157	(59,710)	N/A	N/A	N/A	69.82%	(41,687.29)	N/A	
2002	3,139,157	3,119,256	(19,901)	N/A	N/A	N/A	70.19%	(13,968.03)	N/A	

Plant Detail Account Descriptions

Account Number	Account Description
<u>Source of Supply Plant</u>	
311	Structures & Improvements (Supply)
312	Collecting & Impounding Reservoirs
313	Lake, River, & Other Intakes
314	Wells & Springs
315	Infiltration galleries and tunnels
316	Supply Mains
317	Other Water Source Plant
<u>Pumping Plant</u>	
321	Structures & Improvements (Pumping)
323	Other Power Production Equipment
325	Electric Pumping Equipment
326	Diesel Pumping Equipment
327	Hydraulic Pumping Equipment
328	Other Pumping Equipment
<u>Water Treatment Plant</u>	
331	Structures & Improvements (Treatment)
332	Water Treatment Equipment
<u>Transmission & Distribution Plant</u>	
341	Structures & Improvements (T&D)
342	Distribution Reservoirs & Standpipes
343	Transmission & Distribution Mains
344	Fire Mains
345	Services
346	Meters
347	Meter Installation
348	Hydrants
349	Other T & D Plant
<u>General Plant</u>	
390	Structures & Improvements (General)
391	Office Furniture & Equipment
391H	Computer Equipment
391S	Computer Equipment
392	Transportation Equipment
393	Stores Equipment
394	Tools, Shop & Garage Equipment
395	Laboratory Equipment
396	Power Operated Equipment
397	Communications Equipment
398	Miscellaneous Equipment
399	Other Tangible Property

**Plant Detail Summary – Water System Assets (Hingham, Hull, Cohasset, and Norwell) in
 Place as of December 31, 2011**

	<u>Hingham</u>	<u>Hull</u>	<u>Cohasset</u>	<u>Norwell</u>	<u>Total</u>
1212	-	1,076	-	-	1,076
301	82,595	-	-	-	82,595
310	168,756	-	-	-	168,756
311	543,070	11,494	-	-	554,564
312	70,527	-	-	-	70,527
313	1,109	-	-	-	1,109
314	3,165,982	-	-	-	3,165,982
316	1,137,583	-	-	-	1,137,583
317	611,825	-	-	-	611,825
320	-	-	-	-	-
321	1,042,307	1,428	-	-	1,043,735
325	760,426	268,663	-	-	1,029,089
328	41,681	-	-	-	41,681
331	370,253	-	-	-	370,253
332	736,811	-	-	-	736,811
340	-	-	-	-	-
341	17,562	38,565	-	-	56,127
342	156,602	-	-	181,911	338,513
343	13,239,752	2,775,797	720,573	-	16,736,121
345	3,120,155	1,279,786	23,832	-	4,423,773
346	963,480	367,695	24,708	1,012	1,356,895
347	252,189	138,170	-	-	390,359
348	22,152	34,755	-	-	56,907
349	500,420	16,176	7,636	-	524,233
390	273,469	-	-	-	273,469
391	126,726	-	-	-	126,726
391H	146,067	-	-	-	146,067
391S	85,605	-	-	-	85,605
392	399,452	-	-	-	399,452
393	20,025	-	-	-	20,025
394	238,516	2,579	-	-	241,095
395	34,055	-	-	-	34,055
396	51,654	-	-	-	51,654
397	160,882	-	-	-	160,882
398	90,747	-	-	-	90,747
	<u>28,632,435</u>	<u>4,936,183</u>	<u>776,748</u>	<u>182,923</u>	<u>34,528,289</u>

Joe A. Conner, Esq.
June 29, 2012
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APPENDIX C – ASSEMBLED WORKFORCE SOURCE DOCUMENTATION

**Hingham Water System Salary Inflation (Redacted) - Provided by Aquarion Personnel
 WMA Calculated the Specific Years Worked Time Period and the Compound Annual Growth Rate**

Employee	Date of Hire	Beginning Salary	Years Worked 12/31/2011	Current Salary	Increase	Average Increase %	Compound Annual Growth Rate
A	3/2/2009		2.8		\$ 8,533.00	2.15%	3.28%
B	11/20/2008		3.1		\$ 4,555.00	2.81%	4.06%
C	4/17/1973		38.7		\$ 54,194.60	14.45%	5.13%
D	9/7/1999		12.3		\$ 21,651.60	4.65%	4.08%
E	3/15/1976		35.8		\$ 50,937.60	12.59%	5.02%
F	9/18/2006		5.3		\$ 8,859.60	3.19%	3.71%
G	6/28/1982		29.5		\$ 40,174.00	7.05%	4.02%
H	8/30/1999		12.3		\$ 28,869.20	6.63%	5.41%
I	12/11/1978		33.1		\$ 46,071.00	9.50%	4.53%
J	5/26/1987		24.6		\$ 36,003.80	5.91%	3.88%
K	5/16/1991		20.6		\$ 36,711.00	7.40%	4.84%
L	4/29/2010		1.7		\$ 1,102.00	1.78%	4.45%
M	4/22/2003		8.7		\$ 14,122.00	3.58%	3.58%
N	9/5/1978		33.3		\$ 54,661.00	11.18%	4.92%
		\$ 518,289.60		\$ 924,735.00		6.63%	4.35%

WMA Suggested using the Compound Annual Growth Rate instead of a simple average.
 WMA Calculated the Compound Annual Growth Rate instead of a simple average.
 WMA Changed the Years Worked to a more accurate figure.
 WMA Rolled this XXX% percent forward into other exhibits.

Aquarion Water Company - Cost of Recruiting

	2007	2008	2009	2010	2011	Total
<i>Recruiting Costs</i>						
AWC-CT	\$ 143,612	\$ 64,393	\$ 8,769	\$ 23,846	\$ 52,279	\$ 292,899
AWC-MA	\$ 219	\$ -	\$ 209	\$ -	\$ 32,446	\$ 32,874
AWC-NH	\$ -	\$ 13,256	\$ 66	\$ -	\$ -	\$ 13,322
Total AWC	\$ 143,831	\$ 77,649	\$ 9,044	\$ 23,846	\$ 84,725	\$ 339,095
Total New Salaries	\$ 1,640,493	\$ 968,554	\$ 526,603	\$ 381,972	\$ 290,211	\$ 3,807,833
# of New Employees	24	15	8	7	6	60
Average New Salary	\$ 68,354	\$ 64,570	\$ 65,825	\$ 54,567	\$ 48,369	\$ 63,464
Recruiting Fee %	8.8%	8.0%	1.7%	6.2%	29.2%	8.9%

Aquarion Water Company - Annual Training Time Estimate

	2009	2010	2011	Average	Average/2080 Hours
<i>Training Hours/Employee</i>					
Actual	19.1	18.0	20.4	19.2	0.9%
Budget	15.0	15.0	15.0	15.0	0.7%

Aquarion Water Company of Massachusetts - Overhead Rate Calculation

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Average
Fringe Benefits	\$ 613,813	\$ 793,089	\$ 688,382	\$ 751,961	\$ 498,919	\$ 603,618	\$ 474,146	\$ 966,885	\$ 1,012,687	\$ 984,810	\$ 7,388,310
Payroll Taxes	\$ 85,085	\$ 137,679	\$ 145,188	\$ 133,169	\$ 128,049	\$ 122,544	\$ 123,673	\$ 130,285	\$ 127,534	\$ 130,439	\$ 1,263,644
Payroll Expense	\$ 1,237,891	\$ 1,715,907	\$ 1,617,677	\$ 1,429,855	\$ 1,369,410	\$ 1,512,844	\$ 1,550,944	\$ 1,535,992	\$ 1,506,098	\$ 1,598,936	\$ 15,075,555
Fringe Benefit Rate	49.59%	46.22%	42.55%	52.59%	36.43%	39.90%	30.57%	62.95%	67.24%	61.59%	49.01%
Payroll Tax Rate	6.87%	8.02%	8.98%	9.31%	9.35%	8.10%	7.97%	8.48%	8.47%	8.16%	8.38%
Total Overhead Rate	56.46%	54.24%	51.53%	61.90%	45.78%	48.00%	38.54%	71.43%	75.71%	69.75%	57.33%

APPENDIX D – CUSTOMER INFORMATION DATABASE SOURCE DOCUMENTATION

Aquarion Water Company of Massachusetts - Tap/Customer/Meter Data

	Process	Department	Time Required Minutes	Time Required Hours	Hourly Rate	Task Cost for Direct Labor
A	New Service Inquiry Call	Customer Service	7	0.12	\$ 19.01	\$ 2.22
B	Follow up on Call	New Services	10	0.17	\$ 27.19	\$ 4.53
C	Investigation on availability of service	New Services	30	0.50	\$ 33.33	\$ 16.66
D	2nd call re. availability of water. 3rd call is for signed paperwork appointment and payment. 4th phone call is ready for tap.	New Services	45	0.75	\$ 27.19	\$ 20.39
E	Field Visit. Tap installed.	New Services	480	8.00	\$ 30.02	\$ 240.15
F	Getting meter route, application; Setup business partner in SAP	New Services	60	1.00	\$ 33.33	\$ 33.33
G	Creating Technical Master Data (SAP)	New Services	5	0.08	\$ 35.02	\$ 2.92
Total Costs Related to Initial Tap Set Up & Installation						\$ 320.21
H	New Service Inquiry Call	Customer Service	7	0.12	\$ 19.01	\$ 2.22
I	Follow up on Call	Customer Service	10	0.17	\$ 27.19	\$ 4.53
J	Moving In Account	Customer Service	5	0.08	\$ 20.97	\$ 1.75
Total Costs Related to Customer Move-Ins/Move-Outs						\$ 8.50
K	Administrative time related to meter purchasing/receipts.	Utility Operations	0.36	0.01	\$ 33.33	\$ 0.21
L	Administrative time related to setting up meter routes and other inputs into SAP system.	Utility Operations	0.73	0.01	\$ 22.68	\$ 0.28
M	Generate customer letters and set up service appointment.	Customer Service	4.14	0.07	\$ 19.01	\$ 1.31
N	Generate customer letters (2nd notice) and set up service appointment.	Customer Service	2.14	0.04	\$ 19.06	\$ 0.68
O	Schedule workforce activities and perform meter replacements.	Utility Operations	55.71	0.93	\$ 29.40	\$ 27.30
Total Costs Related to Periodic Meter Changeout Program						\$ 29.78

Aquarion Water Company of Massachusetts (Hingham/Hull/Cohasset)
Connections/Move-In Data

<i>Customer Move-In Data</i>	
Move-Ins (11/01/2007-12/31/2011)	4,372
# of Months	50
Average per Month	87.44
Average per Year (A)	1,049.28
<i>Customer Counts at 12/31/2011</i>	
Hingham	7,835
Hull	4,580
Cohasset	325
Total (B)	12,740

of Years for Customer Turnover (B)/(A): **12.14**

of Years for Meter Replacement Program **10.00**

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APPENDIX E – PROPERTY MAINTENANCE DATABASE SOURCE DOCUMENTATION

Aquarion Water Company - Allocation Percentage Calculation 12-31-2011

Allocation	Assumption	1/3 Allocation	Hingham Hull Cohasset Customer %	Hingham/Hull/ Cohasset Allocation
1	Assumes tasks of plant accountant are shared equally among CT, MA and NH (i.e. reporting takes just as long for smallest jurisdiction as it does for largest)	33.0%	67.2%	22.2%
Allocation	Assumption	Hingham/Hull/ Cohasset Total Utility Plant	Combined AWC Total Utility Plant	Hingham/Hull/ Cohasset Allocation
2	Measures relation of volume of assets and job/order/asset creation and maintenance of records	\$ 37,097,237	\$ 1,120,805,112	3.3%
Allocation	Assumption	Hingham/Hull/ Cohasset Customers	Total AWC Customers	Hingham/Hull/ Cohasset Allocation
3	Customer share provides weightings indicative of activity for specific assets: meters, services, hydrant	12,740	212,346	6.0%
Average of Allocations 1, 2 & 3:				10.5%

Aquarion Water Company - Customer Counts

	12/31/2011	AWC Massachusetts Allocation	AWC Total Allocation
<i>Customer Counts & Percentages</i>			
AWC-Connecticut	184,286		86.79%
AWC-Massachusetts (Hingham/Hull/Cohasset)	12,740	67.19%	6.00%
AWC-Massachusetts (Millbury/Oxford)	6,220	32.81%	2.93%
AWC-New Hampshire	9,100		4.29%
Total	212,346	100.00%	100.00%

Aquarion Water Company of Massachusetts - Utility Plant Turnover

	12/31/2011
<u>Depreciable Life</u>	
Average Depreciable Property (beg bal + end bal) / 2	\$60,641,010
Depreciation Expense per Ledger Acct 403000	\$ 1,385,905
Composite Depreciation Rate	2.29%
Inherent Asset Turnover Period (in years)	44

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APPENDIX F – WATER TESTING RECORDS DATABASE SOURCE DOCUMENTATION

Aquarion Water Company of Massachusetts (Hingham/Hull/Cohasset) - Water Testing Requirements (redacted)

Report	Entity	Retention Time (in years)
<i>Reporting Requirements</i>		
Bacti and Turbidity Records	DEP	5
Sanitary Survey Records	DEP	10
Chemical Usage Records	DEP	5
CCR Info	DEP	3
Lead and Copper Rule Info	DEP	12
DBPR Rule Info and Analysis	DEP	12
Water Management Act Records	DEP	10

Position	Hours per Month	Rate	Annual Cost
<i>Time Required to Maintain Required Reports</i>			
Administrative Assistant			\$ 3,915.35
Treatment Plant Operator			\$ 2,830.98
			\$ 6,746.33

Appendix G – Hingham Charter and Acts of 1879, 1881, and 1886

1879. — CHAPTERS 137, 138, 139.	489
AN ACT FOR THE BETTER PROTECTION OF THE FISHERY OF THE NINE MILE POND FISHING COMPANY.	
<i>Chap. 137</i>	
<i>Be it enacted, &c., as follows:</i>	
SECTION 1. Whoever takes or catches any alewives in Centreville River, so called, in the town of Barnstable, between that part of said river where the mouth of the canal of the Nine Mile Pond Fishing Company opens into the same, and a point fifteen rods above said mouth, shall forfeit and pay a fine of not less than five, nor more than fifty dollars for each offence.	<small>Alewife fishery in Barnstable.</small>
SECTION 2. Nothing herein contained shall be construed to authorize the taking of alewives by any person between said mouth of said canal and tide water.	<small>Alewives not to be taken between mouth of canal and tide water.</small>
SECTION 3. This act shall take effect upon its passage. <i>Approved March 21, 1879.</i>	
AN ACT TO AMEND THE CHARTER OF THE CITY OF LOWELL.	
<i>Chap. 138</i>	
<i>Be it enacted, &c., as follows:</i>	
SECTION 1. Section twenty-six of chapter one hundred and seventy-three of the acts of the year eighteen hundred and seventy-five is hereby amended by striking out the words "owners thereof," in the twelfth and thirteenth lines and inserting in place thereof the words "abutters thereon."	<small>City charter. Amendment to 1875, 173, § 26.</small>
SECTION 2. Section twenty-seven of said chapter is hereby amended by inserting the words "the city," between the words "and" and "shall" in the sixth line.	<small>Amendment to 1875, 173, § 27.</small>
SECTION 3. This act shall take effect upon its passage. <i>Approved March 21, 1879.</i>	
AN ACT TO INCORPORATE THE HINGHAM WATER COMPANY.	
<i>Chap. 139</i>	
<i>Be it enacted, &c., as follows:</i>	
SECTION 1. John D. Long, Samuel Downer, Charles B. Barnes, E. Waters Burr, David Cushing, Junior, William J. Nelson, George P. Hayward, Ebed L. Ripley, Starkes Whiton, Elijah Shute, Edmund Hersey and George Cushing, their associates and successors, are hereby made a corporation by the name of the Hingham Water Company, for the purpose of furnishing the inhabitants of Hingham with pure water for the extinguishment of fires, generation of steam, domestic and other purposes: with all the powers and privileges and subject to all the duties, restrictions and liabilities set forth in all general laws which now are or hereafter may be in force, so far as the same may be applicable to this corporation.	<small>Corporation. Name and purpose.</small>

May take waters of Accord Pond.

May take and hold real estate.

May enter upon and dig up roads under direction of selectmen.

To file in registry of deeds a description of the land taken.

Assessment of damages.

Application to be made for damages, within three years.

SECTION 2. Said corporation, for the purposes aforesaid, may take, hold and convey into and through the town of Hingham, or any part thereof, the waters of Accord Pond, so called, situate in the towns of Hingham, South Scituate and Rockland, and the waters which flow into and from the same, together with any water rights connected therewith; and may take and hold, by purchase or otherwise, any real estate necessary for the preservation and purity of the said waters, or for forming any dams or reservoirs to hold the same, and for laying and maintaining aqueducts and pipes for distributing the waters so taken and held; and for the purpose of making all needed repairs or service connections may lay its water pipes through any private lands, with the right to enter upon the same and dig therein, and for any of the purposes aforesaid may carry its pipes under or over any water course, street, railroad, highway or other way, in such manner as not unnecessarily to obstruct the same, and may, under the direction of the board of selectmen, enter upon and dig up any road or other way, in such manner as least to obstruct the same, for the purpose of laying or repairing its aqueducts, pipes, or other works, and in general may do any other acts and things necessary, convenient or proper for carrying out the purposes of this act.

SECTION 3. Said corporation shall, within ninety days after the taking of any land under this act, otherwise than by purchase, file in the registry of deeds for the county of Plymouth, a description thereof sufficiently accurate for identification, with a statement of the purpose for which the same is taken, signed by the president of the corporation; and the title of the land so taken shall vest in the said corporation.

SECTION 4. Any person or corporation injured in property by any of the acts of said corporation under this act, and failing to agree with said corporation as to the amount of damages, may have the same assessed and determined in the manner provided when land is taken for highways, but no application shall be made to the county commissioners for the assessment of damages for the taking of water rights until the water is actually taken and diverted by said corporation. Any person whose water rights are thus taken or affected, may apply as aforesaid within three years from the time the water is actually withdrawn or diverted, and not thereafter, and no suit for injury to person shall be brought after two years from the alleged date of the receipt of injury.

SECTION 5. If any person shall use any of said water taken under this act without the consent of said corporation, or shall divert the water or any part thereof so taken, or corrupt the same or render it impure, or destroy or injure any dam, aqueduct, pipe, conduit, hydrant, machinery or other works or property held, owned or used by said corporation under the authority of, and used for the purposes of this act, he shall forfeit and pay to said corporation three times the amount of damage assessed therefor to be recovered in an action of tort; and on conviction of either of the acts aforesaid may be punished by a fine not exceeding three hundred dollars, or by imprisonment in jail not exceeding one year.

Penalty for diverting water or rendering it impure.

SECTION 6. Said corporation may distribute the water through said Hingham; may establish and fix from time to time rates for the use of said water and collect the same; and may make such contracts with the town of Hingham, or with individuals or corporations, to supply water for fire, or other purposes, as may be agreed upon by said town, individuals or corporation and said corporation.

May distribute water through town of Hingham.

SECTION 7. The said Hingham Water Company, for the purpose of supplying that part of the town of Hull called Nantasket and Nantasket Beach with pure water for domestic, fire and other purposes, is hereby authorized to extend its water pipes or conduits to the said Nantasket and Nantasket Beach and shall have the same rights and powers in and for these said localities that are granted it by the other sections of this act in and for the town of Hingham, whenever the said town of Hull shall, by a majority of the voters present and voting thereon at a town meeting duly called for the purpose, accept the provisions of this act so far as applicable to them: *provided*, that whenever for any reason the supply of water shall not be more than sufficient for the needs of the residents of the town of Hingham, the residents of the town of Hingham shall be first supplied.

May extend pipes to Nantasket and Nantasket Beach.

Proviso.

SECTION 8. The capital stock of said corporation shall not exceed one hundred and fifty thousand dollars, and shall be divided into shares of one hundred dollars each; and said corporation may at any time issue bonds to an amount equal to the capital stock actually paid in.

Capital stock and shares.

SECTION 9. Manufacturing and other corporations doing any business in said towns of Hingham and Hull are hereby authorized to subscribe for and hold stock of said Hingham Water Company.

Corporations may take stock in company.

Town of Hingham may take stock.

SECTION 10. The town of Hingham may take and hold twenty-five per centum of the capital stock of said corporation, and have a proportionate voice in the management of the affairs of said corporation, provided it shall vote so to do by a two-thirds vote of the voters present and voting thereon at any legal meeting called for the purpose.

Town may purchase property and rights of company.

SECTION 11. The town of Hingham shall have the right at any time during the continuance of the charter hereby granted, to purchase the corporate property, and all the rights and privileges of said company at the actual cost of the same, together with interest thereon at a rate not exceeding ten per centum per annum, said cost to include all actual loss or damage paid or suffered by said company for injury to person or property, deducting from said cost any and all dividends which may have been paid by said corporation, or at such a price as may be mutually agreed upon between said corporation and the town of Hingham; and the said corporation is authorized to make sale of the same, and this authority to purchase said franchise and property is granted on condition that the same is assented to by said town by a two-thirds vote of the voters present and voting thereon at any annual meeting, or at a legal meeting called for that purpose.

Town may issue scrip for defraying cost of property.

SECTION 12. For the purpose of defraying the cost of such property, lands, water and water rights, as shall be purchased for the purposes aforesaid, the town of Hingham through its treasurer may from time to time issue notes, bonds, scrip or certificates of debt, to be denominated on the face thereof "Hingham Water Loan," to an amount not exceeding the amount paid by the town for said purchase, and bearing interest at a rate not exceeding six per centum per annum, payable semi-annually; and the principal being payable at periods not more than thirty years from the issuing of said notes, bonds, scrip, or certificates of debt respectively. Said treasurer, under the authority of the town, may sell such notes, bonds, scrip or certificates of debt, or any part thereof, from time to time, or pledge the same for any money borrowed for the purposes aforesaid, on such terms and conditions as he may deem proper, or as may be prescribed by the town. Said town may further make appropriations, and assess from time to time, amounts not exceeding in any one year the sum of five thousand dollars, towards payment of the principal of the money borrowed as aforesaid, and also a sum sufficient to pay the interest thereon in the same manner as money is assessed and appropriated for other town purposes.

Hingham Water Loan.

Town may appropriate money for payment of principal and interest.

SECTION 13. In case the town of Hingham shall purchase the property, rights, privileges and franchises of the corporation established by this act, the said town shall exercise all the rights, powers and authority, and be subject to all the restrictions, duties and liabilities herein contained, in such manner, and by such officers, servants or agents as the town may direct, and the town shall be liable to pay all damages for land, water or water rights taken for the purposes set forth in this act which shall not have been previously paid by said corporation.

Liabilities of town in case of purchase.

SECTION 14. In case the town of Hingham shall accept chapter one hundred and thirty of the acts of the year eighteen hundred and seventy-six, within the time and in the manner therein provided, and shall also, within three months after so accepting the same, vote to construct the works contemplated therein, and to raise and appropriate the necessary sum of money therefor, this act shall be void, otherwise this act shall take effect at and upon the expiration of the time granted to said town in said chapter, within which to accept the same, and said chapter one hundred and thirty of the year eighteen hundred and seventy-six shall become void. *Approved March 21, 1879.*

If town accepts chap. 130 of the acts of 1876, this act to be void.

AN ACT TO AUTHORIZE THE BOSTON, CLINTON, FITCHBURG AND NEW BEDFORD RAILROAD COMPANY TO ISSUE BONDS.

Chap. 140

Be it enacted, &c., as follows:

SECTION 1. The Boston, Clinton, Fitchburg and New Bedford Railroad Company, is hereby authorized by vote at a meeting called for the purpose, to issue bonds in sums of not less than one hundred dollars each, payable at periods not exceeding thirty years from the date thereof, and bearing interest not exceeding the rate of six per centum a year, payable semi-annually, to an amount not exceeding the sum of three million five hundred thousand dollars, the proceeds thereof to be used exclusively for the payment of the debt of the corporation now outstanding; and the interest upon all or any portion of said bonds may be secured by the Old Colony Railroad Company, by an agreement in writing thereon, according to the provisions of the existing lease, to said last named company of the Boston, Clinton, Fitchburg and New Bedford Railroad.

May issue bonds, not exceeding \$3,500,000, for payment of outstanding debt.

SECTION 2. This act shall take effect upon its passage. *Approved March 21, 1879.*

the date of filing as if it had been filed under the provisions of said chapter.

SECTION 2. This act shall take effect upon its passage.
Approved March 3, 1881.

AN ACT RELATING TO THE BONDS OF PERSONS APPOINTED BY THE GOVERNOR OR BY THE GOVERNOR AND COUNCIL.

Chap. 56

Be it enacted, etc., as follows:

When a bond is by law required of any person appointed by the governor or by the governor and council, the commission or certificate of appointment shall not issue until a satisfactory bond has been delivered.

Bond to be delivered before commission is issued.

Approved March 3, 1881.

AN ACT AUTHORIZING THE GOVERNOR AND COUNCIL TO REVOKE CERTAIN APPOINTMENTS.

Chap. 57

Be it enacted, etc., as follows:

Appointments made by the governor or by the governor and council may be by them revoked at any time, for cause, unless the tenure of office or trust is expressly determined by the constitution or by law.

Appointments may be revoked by governor, etc.

Approved March 3, 1881.

AN ACT RELATIVE TO THE APPOINTMENT OF SPECIAL SHERIFFS.

Chap. 58

Be it enacted, etc., as follows:

The sheriffs of the several counties shall immediately after the appointment and qualification of any person as special sheriff in their respective counties send notice thereof in writing, giving the name and residence of the appointee, to the secretary of the Commonwealth, who shall thereupon make an entry of the receipt of such notice in a book to be kept for the purpose.

Return of appointment of special sheriff to be made to the secretary.

Approved March 3, 1881.

AN ACT IN ADDITION TO "AN ACT TO INCORPORATE THE HINGHAM WATER COMPANY."

Chap. 59

Be it enacted, etc., as follows:

SECTION 1. The Hingham Water Company is hereby authorized to extend its water pipes or conduits through the towns of Hull and Colhasset, or any parts thereof, for the purpose of supplying the inhabitants of said towns, respectively, with pure water for the extinguishment of fires, generation of steam, domestic and other purposes; and it shall have the same privileges, rights and powers in and for these localities that are granted it by chapter

May extend water pipes through Hull and Colhasset.

Proviso. one hundred and thirty-nine of the acts of the year eighteen hundred and seventy-nine in and for the town of Hingham: *provided*, that whenever for any reason the supply of water shall not be more than sufficient for the needs of the residents of the towns of Hingham and Hull, the residents of the towns of Hingham and Hull shall be first supplied; and *provided, further*, that whenever for any reason the supply of water shall not be more than sufficient for the needs of the residents of the town of Hingham, the residents of the town of Hingham shall be first supplied.

To file in the registry of deeds a description of the land taken. SECTION 2. Said corporation shall within ninety days after the taking of any land under this act, otherwise than by purchase, file in the registry of deeds for the county in which the land so taken lies, a description thereof sufficiently accurate for identification, with a statement of the purpose for which the same is taken, signed by the president of the corporation; and the title of the land so taken shall vest in the said corporation.

Water supply for Hull and Cohasset. SECTION 3. Said corporation may make such contracts with the towns of Hull and Cohasset, respectively, to supply water for fire or other purposes, as may be agreed upon by said towns, respectively, and said corporation.

Assessment of damages. SECTION 4. Any person or corporation injured in property by any of the acts of said corporation under this act, and failing to agree with said corporation as to the amount of damages, may have the same assessed and determined in the manner provided when land is taken for highways. There shall be the same limitation as to the time in which suits for injury to person shall be brought, as is provided in section four of said chapter one hundred and thirty-nine of the acts of the year eighteen hundred and seventy-nine, and the same forfeitures, payments, fines and penalties for the destruction or injury of the works or property held, owned or used by said corporation, under the authority of and used for the purposes of this act, as are provided in section five of said act; and the town of Hingham shall have the same right to purchase the corporate property and rights acquired by said corporation under this act; and, in case of purchase, the same rights to issue notes, bonds, scrip or certificates of debt, and to sell or pledge the same, or any part thereof, and be subject to the same liabilities, and have the same powers, as are provided in said former act.

Hingham may purchase corporate property, etc.

SECTION 5. This act shall take effect upon its passage.
Approved March 3, 1881.

AN ACT TO PROVIDE THAT THE RECEIVERS OF INSOLVENT SAVINGS BANKS AND INSTITUTIONS FOR SAVINGS SHALL DEPOSIT CERTAIN MONIES WITH THE TREASURER OF THE COMMONWEALTH. *Chap. 70*

Be it enacted, etc., as follows:

Receivers of insolvent savings banks and institutions for savings, having unclaimed moneys or dividends belonging to the estate of any such corporation remaining in their hands for one year after final settlement ordered by the court, shall deposit the amount so remaining uncalled for with the treasurer of the Commonwealth, with a schedule of the names and residences, so far as known, of the parties entitled thereto; and said treasurer shall receive and hold the same in trust for such parties and their representatives; and said treasurer shall pay over the same to the parties entitled thereto, upon proper demand made therefor, upon being furnished with evidence satisfactory to him of the identity of the claimant and the justice of the claim.

Unclaimed dividends to be deposited with treasurer of the Commonwealth.

Approved March 8, 1881.

AN ACT TO MAKE THE THIRTIETH DAY OF MAY, KNOWN AS MEMORIAL DAY, A LEGAL HOLIDAY. *Chap. 71*

Be it enacted, etc., as follows:

SECTION 1. The thirtieth day of May in each year, being the day set apart for the decoration of the graves of deceased soldiers, and known as Memorial Day, is hereby made a legal public holiday, to all intents and purposes, in the same manner as Thanksgiving, Fast and Christmas days, the twenty-second day of February, and the fourth day of July, are now by law made public holidays.

Memorial Day made a legal holiday.

SECTION 2. This act shall take effect upon its passage.
Approved March 8, 1881.

AN ACT IN ADDITION TO "AN ACT TO INCORPORATE THE NEWBURYPORT WATER COMPANY." *Chap. 72*

Be it enacted, etc., as follows:

SECTION 1. The city of Newburyport is hereby authorized to contract with the Newburyport Water Company for a supply of water, for purposes other than fire purposes, for a term of years.

Water supply for Newburyport.

SECTION 2. This act shall take effect upon its passage.
Approved March 8, 1881.

every employee engaged in its business the wages earned by such employee to within six days of the date of said payment: *provided, however*, that if at any time of payment any employee shall be absent from his regular place of labor he shall be entitled to said payment at any time thereafter upon demand.

Penalty. SECTION 2. Any corporation violating any of the provisions of this act shall be punished by a fine not exceeding fifty and not less than ten dollars on each complaint under which it is convicted: *provided*, complaint for such violation is made within thirty days from the date thereof.

Proviso. SECTION 3. When a corporation against which a complaint is made under this act fails to appear after being duly served with process, its default shall be recorded, the allegations in the complaint taken to be true, and judgment shall be rendered accordingly.

Corporation failing to appear to be defaulted, etc. SECTION 4. When judgment is rendered upon any such complaint against a corporation, the court may issue a warrant of distress for penalty and costs may be issued.

Warrant of distress for penalty and costs may be issued. SECTION 5. This act shall take effect upon the first day of July in the year eighteen hundred and eighty-six.

To take effect July 1, 1886. *Approved March 22, 1886.*

Chap. 88 AN ACT TO ENABLE THE HINGHAM WATER COMPANY TO INCREASE ITS WATER SUPPLY.

Be it enacted, etc., as follows:

May increase water supply. SECTION 1. The Hingham Water Company, a corporation established under chapter one hundred and thirty-nine of the acts of the year eighteen hundred and seventy-nine, for the purpose of increasing the capacity and efficiency of its water works and for the purposes set forth in said act and the acts in addition thereto, may take by purchase or otherwise and hold the waters of any pond, stream or other water source within the limits of the town of Hingham and the water rights connected therewith, and convey the same into and through the same territory and in the same manner as it is now authorized to do with the waters of Accord pond; and may take by purchase or otherwise and hold all lands, rights of way and easements, necessary for holding, preserving and conveying such water; and may erect on the land thus taken or held proper dams, buildings, fixtures and other structures; and may make excavations, procure and operate machinery,

May take lands, rights of way and easements.

and provide such other means and appliances as may be necessary for the maintenance of more complete and effective water works; and for distributing said waters may construct and lay down conduits, pipes and other works, under or over any lands, water courses, railroads, or public or private ways, and along any such way, in such manner as not unnecessarily to obstruct the same, and connect the same with its present system of water works; and for the purpose of constructing, maintaining and repairing such conduits, pipes and other works, and for all proper purposes of this act may dig up any such lands, and, under the direction of the board of selectmen of the town in which any such ways are situated, may enter upon and dig up any such ways in such manner as to cause the least hindrance to public travel on such ways; and said corporation shall have the same privileges, rights and powers and be subject to the same limitations with regard to the said waters that are granted and provided for it by law for the said waters of Accord Pond.

May construct and lay down conduits.

May dig up lands under the direction of the selectmen.

SECTION 2. Said corporation shall within ninety days after the taking of any land under this act, otherwise than by purchase, file in the registry of deeds for the county in which the land so taken lies a description thereof sufficiently accurate for identification, with a statement of the purpose for which the same is taken, signed by the president of the corporation; and the title of the land so taken shall vest in the said corporation.

To file in the registry of deeds within ninety days a description of the land taken.

SECTION 3. Any person or corporation injured in property by any of the acts of said corporation under this act, and failing to agree with said corporation as to the amount of damages, may have the same assessed and determined in the manner provided when land is taken for highways; but no application shall be made to the county commissioners for the assessment of damages for the taking of water rights until the water is actually taken and diverted by said corporation. There shall be the same limitation as to the time in which application for the assessment of damages and suits for injury to person shall be brought, as is provided in section four of said chapter one hundred and thirty-nine of the acts of the year eighteen hundred and seventy-nine, and the same forfeitures, payments, fines and penalties for the destruction or injury of the works or property held, owned or used by said corporation under the authority of and used for the

Assessment and determination of damages.

Right of the
towns of Hing-
ham to purchase
property.

purposes of this act, as are provided in section five of said act; and the town of Hingham shall have the same right to purchase the corporate property and rights acquired by said corporation under this act; and in case of purchase the same rights to issue notes, bonds, scrip, or certificates of debt, and to sell or pledge the same, or any part thereof, and be subject to the same liabilities and have the same powers as are provided in said former acts.

SECTION 4. This act shall take effect upon its passage.
Approved March 22, 1886.

Chap. 89 AN ACT TO CONFIRM THE PROCEEDINGS AND TITLE TO LANDS OF THE TRUSTEES OF THE ROSLINDALE METHODIST EPISCOPAL CHURCH.

Be it enacted, etc., as follows:

Organization
confirmed.

SECTION 1. The organization of the Trustees of the Roslindale Methodist Episcopal Church as a corporation, on the third day of October in the year eighteen hundred and eighty-five, is hereby confirmed, and said corporation is hereby made the lawful successor of William Blakemore and others named as the Trustees of the Roslindale Methodist Episcopal Church, the grantees described in a deed of John E. Blakemore, dated the sixteenth day of September in the year eighteen hundred and seventy-three and recorded with Norfolk county deeds libro four hundred and forty-five, folio two hundred and sixty-six, and in a deed of Ezra Conant, dated the seventh day of March in the year eighteen hundred and seventy-nine and recorded with Suffolk county deeds libro fourteen hundred and fifty-four, folio thirty-three. And said corporation its successors and assigns shall have and hold, in fee simple, the real estate described in both of said deeds. And all proceedings of said corporation concerning said real estate are hereby confirmed and made valid.

Proceedings
confirmed.

SECTION 2. This act shall take effect upon its passage.
Approved March 22, 1886.

Chap. 90 AN ACT TO AMEND SECTION FOUR OF CHAPTER SEVENTY-FOUR OF THE PUBLIC STATUTES RELATIVE TO THE PRINTED NOTICE REQUIRED IN MANUFACTURING ESTABLISHMENTS.

Be it enacted, etc., as follows:

Folio to be
noted in man-
ufacturing estab-
lishments.

Section four of chapter seventy-four of the Public Statutes is hereby amended by adding after the word "week" in the eleventh line of said section, the following words:

Joe A. Conner, Esq.
June 29, 2012
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APPENDIX H - QUALIFICATIONS OF THE PRINCIPAL ANALYST

ROBERT F. REILLY, CPA

Robert Reilly is a managing director of Willamette Management Associates. His practice includes business valuation, forensic analysis, and financial opinion services.

Robert has performed the following types of valuation and economic analyses: economic event analyses, merger and acquisition valuations, divestiture and spin-off valuations, solvency and insolvency analyses, fairness and adequacy opinions, ESOP formation and adequate consideration analyses, private inurement/intermediate sanctions opinions, acquisition purchase accounting allocations, reasonableness of compensation analyses, restructuring and reorganization analyses, tangible asset/intangible asset intercompany transfer price analyses, and lost profits/economic damages analyses.

He has prepared these valuation and economic analyses for the following purposes: transaction pricing and structuring (merger, acquisition, liquidation, and divestiture); taxation planning and compliance (federal income, gift, and estate tax; state and local property tax; transfer tax); financing securitization and collateralization; employee corporate ownership (ESOP employer stock transactions and compliance valuations); forensic analysis and dispute resolution; corporate strategic planning and management information; bankruptcy and troubled company support (recapitalization, reorganization, restructuring); financial accounting and public reporting; and regulatory compliance and corporate governance.

Robert has valued the following types of business entities and securities: close corporation business enterprise, close corporation fractional ownership interests, public corporation restricted stock, public corporation subsidiaries/ divisions, complex capital structures (various classes of common/preferred stock; options, warrants, grants, rights), general and limited partnership interests, joint ventures, proprietorships, professional service corporations, professional practices, LLPs and LLCs, license agreements, and franchises.

He has performed valuation, remaining useful life, lost profits/economic damages, and arm's-length royalty rate/transfer price analyses related to the following types of intangible assets: advertising campaigns and programs, appraisal plants, broadcast licenses, building permits, cable TV franchises, certificates of need, computer software, computer databases, contract rights, core depositors, copyrights, credit information files, customer and supplier contracts, customer lists and customer relationships, development/commercialization rights, distribution rights, distribution systems, employment contracts, engineering drawings, film libraries, franchise contracts and rights, going-concern value, goodwill, leasehold interests, licenses, literary compositions, loan portfolios, management contracts, manuscripts, mining and mineral rights, mortgage servicing rights, musical compositions, noncompete covenants, patent applications, patents, patient charts and records, permits, possessory interests, prizes and awards, procedural manuals, production backlogs, proprietary technology, solicitation rights, subscriber lists, technical documentation and libraries, trained and assembled workforces, trade names, trademarks, trade secrets, training manuals and documentation, and air/water/land use rights.

Robert has performed business and property valuations in the following industries: accounting and consulting, advertising, administrative services, aerospace, apparel, appraisal, automobile dealerships, automobile manufacturing, automobile suppliers, aviation, bottling, broadband, brokerage, cable television, cement, chemical, commercial banking, chemicals, communications, computer services, construction and contracting, consumer finance, consumer products, cosmetics, cruise ship lines, data processing, decontamination, defense, distribution, education, entertainment, equipment leasing, fast food, financial

services, food processing, food service, forest products, grocery, health care, home health services, hotel and hospitality, insurance, internet, investment banking, leasing, manufacturing, marine, medical and dental practice, mining and mineral extraction, money management, natural resources, petrochemical, petroleum, pharmaceuticals, plastics, printing, public utilities, publishing, radio broadcasting, railroad, real estate development, recreational services, refinery, restaurant, retailing, shipping, steel, telecommunications, television broadcasting, textiles, thrift institutions, transportation and trucking, vacation and leisure, vocational training, waste management, water and wastewater, and wholesaling.

He has prepared financial advisory analyses and economic analyses for merger and acquisition purposes: identification of M&A targets, valuation of target company synergistic/strategic benefits, identification and assessment of divestiture/spin-off opportunities, economic analysis of alternative deal structures, negotiation of deal price and terms, assessment of fairness and solvency of proposed transactions, and design/valuation of alternative equity and debt instruments.

Robert has valued the following types of real property interests: commercial office buildings, easements, facades, hospitals, hotels, industrial cooperatives, industrial and manufacturing facilities, industrial parks, land improvements and infrastructures, mines, nursing homes, quarries, railroads, regional shopping malls, residential apartment complexes, restaurants, retail stores, rights of way, strip shopping malls, timber land, vacant rural land, vacant urban land, and warehouses. These valuations have valued the following real estate interests: fee simple, leasehold interest, leasehold estate, possessory interests, life interests, reversionary interest, air rights, water rights, mineral rights, use rights and development rights.

Robert has been accepted as an expert witness in various federal, state, and international courts and before various boards and tribunals. This expert testimony has related to business, stock, and property valuation matters and to lost profits/economic damages matters. He has served as an expert witness in the following types of litigation: bankruptcy, breach of contract, breach of fiduciary duty, condemnation, conservatorship, corporate dissolution, expropriation, federal income tax, federal gift and estate tax, intellectual property infringement, lender liability, marital dissolution, dissenting shareholder appraisal rights/shareholder oppression, property tax appeal, reasonableness of executive compensation, solvency and insolvency, stockholder suits, tort claims, wrongful death/personal injury, and reasonableness of royalty rates and/or transfer prices. He has served as a court-appointed arbitrator with respect to squeeze-out merger dissenting shareholder rights actions.

PREVIOUS EXPERIENCE

Prior to Willamette Management Associates, Robert Reilly was a partner and national director of valuation services for the Deloitte & Touche accounting firm. Prior to Deloitte & Touche, Robert Reilly was vice president of Arthur D. Little Valuation, Inc., a valuation services firm. Prior to that, Robert was the director of corporate development for Huffey Corporation, a manufacturing company. Prior to that, he was a senior consultant for Booz, Allen & Hamilton, a management consulting firm.

EDUCATION

Master of Business Administration, finance, Columbia University Graduate School of Business

Bachelor of Arts, economics, Columbia University

PROFESSIONAL AFFILIATIONS

Accredited in Business Valuation (ABV)—American Institute of Certified Public Accountants
Accredited Senior Appraiser (ASA)—American Society of Appraisers, in business valuation
Accredited Tax Advisor (ATA)—Accreditation Council for Accountancy & Taxation
Associate Member—Appraisal Institute
Certified Business Appraiser (CBA)—Institute of Business Appraisers
Certified in Financial Forensics (CFF)—American Institute of Certified Public Accountants
Certified Management Accountant (CMA)—Institute of Management Accountants
Certified Public Accountant (CPA)—Ohio and Illinois
Certified Real Estate Appraiser (CREA)—National Association of Real Estate Appraisers
Certified Review Appraiser (CRA)—National Association of Review Appraisers and Mortgage Underwriters
Certified Valuation Consultant (CVC)—National Association of Review Appraisers and Mortgage Underwriters
Chartered Financial Analyst (CFA)—CFA Institute
Chartered Global Management Accountant (CGMA)—Association of International Certified Professional Accountants
Enrolled Agent (EA)—licensed to practice before the Internal Revenue Service

Robert is a member of the American Bankruptcy Institute, American Economic Association, American Institute of Certified Public Accountants, American Society of Appraisers, Business Valuation Association, The ESOP Association, Illinois Society of Certified Public Accountants, Institute of Business Appraisers, CFA Institute, Institute of Professionals in Taxation, Institute of Certified Management Accountants, International Association of Assessing Officers, National Association of Business Economists, National Association of Real Estate Appraisers, and Ohio Society of Certified Public Accountants.

Robert is a state certified general appraiser in the states of Illinois, Michigan, New York, Utah, and Virginia.

He has completed the following Appraisal Institute appraisal courses: 110—appraisal principles, 120—appraisal procedures, 200R—residential market analysis and highest & best use, 210—residential case study, OL300GR—online real estate finance statistics and valuation modeling, 310—basic income capitalization, 320—general applications, 400—USPAP update, 410A—standards of professional practice, 420—standards of professional appraisal practice, 420B—business practices and ethics, 430C—standards of professional practice, 510—advanced income capitalization, 520—highest and best use analysis, 530—advanced cost and sales comparison approaches, 540—report writing and valuation analysis, 550—advanced applications, SE700—the appraiser as an expert witness: preparation & testimony, online using your HP12C financial calculator, 7-hour National USPAP course, and 15-hour National USPAP course.