Filed February 10, 2022 Data Center Missouri Public Service Commission

# Exhibit No. 107

Staff – Exhibit 107 MAWC Response to DR 60 File No. WA-2021-0376

### PSC 0060

### DATA INFORMATION REQUEST Missouri-American Water Company WA-2021-0376/SA-2021-0377 Eureka Acquisition

Requested From: Nikki Pacific

**Date Requested**: 10/19/2021

### Information Requested:

Please provide all communications between Missouri-American Water Company and Flinn Engineering, including all communication to and from persons identified in MAWC's responses to Staff DRs 0055 and 0056.

Requested By: Mark Johnson

### Information Provided:

Please see MoPSC 0060 Attachment 1.

Responsible witness: Brian LaGrand

| From:        | Kelly Simpson                        |
|--------------|--------------------------------------|
| То:          | Mary Beth Hercules                   |
| Cc:          | Nikki Pacific S Pacific              |
| Subject:     | Eureka Appendices                    |
| Date:        | Friday, June 25, 2021 3:40:37 PM     |
| Attachments: | image001.png                         |
|              | Eureka Appendices-January Report.pdf |
|              | Eureka Appendices-March Report.pdf   |

**EXTERNAL EMAIL**: The Actual Sender of this email is ksimpson@flinnengineering.com "Think before you click!".

Mary Beth,

The appendices for each version of the Eureka report are attached. As we discussed, the only appendix that changed was Appendix D. The explanation for the 2 different reports was sent to Jeff Kaiser this afternoon. As I was preparing this, Nikki also asked for this so she is copied.

Please let me know if you have any questions.



From:Kelly SimpsonTo:Nikki Pacific S PacificCc:Joe BatisSubject:MDNR Public Records CenterDate:Friday, January 15, 2021 10:00:22 AMAttachments:image001.png

**EXTERNAL EMAIL**: The Actual Sender of this email is ksimpson@flinnengineering.com "Think before you click!".

Nikki,

MDNR has a Public Records Center at this link. https://missouridnr.mycusthelp.com/WEBAPP/\_rs/(S(z2pzhrnnnaw41pmc4dtpyngb))/SupportHome. aspx

I have used this when a project allows the time. It takes about 6 weeks for MDNR to respond and there is a charge. The last one I did was a year ago and they provided a link to 4 documents including plans and reports. My invoice was about \$10.

Requesting information through this portal early will provide information that the cities sometimes do not have or can't find. If you have a list of potential acquisition for 2021, I would be happy to submit a request to MDNR for public records. Or if you can't provide a list, can you have someone at MO-Am request the public records from MDNR?



| From:        | Kelly Simpson                    |
|--------------|----------------------------------|
| То:          | <u>Jeffrey T Kaiser</u>          |
| Subject:     | Eureka January and March Reports |
| Date:        | Friday, June 25, 2021 1:36:20 PM |
| Attachments: | image002.png                     |
|              | image003.png                     |
|              | Eureka Parcel Data.xlsx          |

**EXTERNAL EMAIL**: The Actual Sender of this email is ksimpson@flinnengineering.com "Think before you click!".

Jeff,

If you look at Table 9 in the 2 versions of the report, the original estimated installation cost is the same. The only thing that changed from the January Report to the March report is the assumption used to estimate the age of the assets, specifically the water distribution and sewer collection assets. In the report, this is reflected in Tables 4, 7, and 9; the description of the assumption of age under Water Distribution System and Sewer Collection System; and Appendix D. Nothing else changed from the January report to the March report. The age of the assets directly impacts the depreciation and estimated book value of the assets.

The assumption in the January report was purely an assumption that 70% of buried assets were installed when the system was placed in service (water 1959 and sewer 1950), and that 5% was installed with the installation of each well (water distribution) and lift station (sewer). As described in the March report, *"We assumed the distribution system was expanded with the addition of each well. The quantity of distribution assets was prorated based on the approximate amount of new buildings in the period between well installations. The St. Louis County GIS parcel data includes the year each building was built. The data was queried for buildings within the municipality of Eureka. The data included 3,925 parcels, which is consistent with the number of customers (3,947). The estimated percent of distribution assets per period is shown in Table 4." And <i>"We assumed the sewer system was expanded with the installation of lift stations. The percentage of assets per period were assumed to be similar to the calculation described above for the water distribution assets."* 

I attached the spreadsheet with the output from the St. Louis County GIS parcel data. I highlighted the portion of the data that was used in my calculation. Using the GIS data is a significantly more accurate and appropriate method of estimating the age of assets. While completing the January report, I was not aware that the GIS data was available and had no other alternative except to make a pure assumption about the age of the assets.

I believe all other supporting documentation is included in the appendices of each report. Please let me know if you need anything else.



From: Jeffrey T Kaiser <Jeffrey.Kaiser@amwater.com>
Sent: Friday, June 25, 2021 12:48 PM
To: Kelly Simpson <ksimpson@flinnengineering.com>
Subject: RE: can you give me a call regarding the Eureka report?

Below is the DR I need to talk with you about.

JTK

PSC 0035

## DATA INFORMATION REQUEST Missouri-American Water Company WA-2021-0376/SA-2021-0377 Eureka Acquisition

| Requested From:       | Nikki Pacific |
|-----------------------|---------------|
| Date Requested:       | 06/25/2021    |
| Information Requested |               |

In the Eureka Valuation Report, Appendix A page 2 of the application, the authors acknowledge that the Flinn Engineering Report was relied upon in completing their analysis of the subject property system. However, two different versions of the Flinn Engineering Report were filed in this case. The first version, dated March 16, 2020, is specified in the Valuation Report. A second version of the Flinn Engineering Report, dated January 18, 2020, was later filed in response to DR 0015, and that version reports much lower values for both the water and the sewer systems.

1. Please provide all supporting information from Flinn Engineering that was used in generating these two different report versions including Appendices A through E for both of the Flinn Engineering Report versions.

2. Please explain why two final versions of the Flinn Engineering Report were generated.

3. Please provide any other appraisals or valuation reports associated with the preparation of the sale of the Eureka water and wastewater systems to MAWC.

Requested By: Mark Johnson

### Information Provided:

WA-2021-0376 MoPSC 0060 Attachment 1 Page 5 of 31

Responsible witness: Brian Eisenloeffel

Jeffrey. T. Kaiser, P.E. Vice President of Operations Missouri American Water Company 727 Craig Road Creve Coeur, MO 63141 Phone: 314-996-2319 Mobile: 618-975-6593



From: Kelly Simpson <<u>ksimpson@flinnengineering.com</u>>
Sent: Friday, June 25, 2021 10:22 AM
To: Jeffrey T Kaiser <<u>Jeffrey.Kaiser@amwater.com</u>>
Subject: Re: can you give me a call regarding the Eureka report?

**EXTERNAL EMAIL**: The Actual Sender of this email is <u>ksimpson@flinnengineering.com</u> "Think before you click!".

I'm on grandma duty until after lunch. Can it wait until this afternoon? Or if it's quick I can do it now.

On Jun 25, 2021, at 10:18 AM, Jeffrey T Kaiser <<u>Jeffrey.Kaiser@amwater.com</u>> wrote:

Jeffrey. T. Kaiser, P.E. Vice President of Operations Missouri American Water Company 727 Craig Road Creve Coeur, MO 63141 Phone: 314-996-2319 Mobile: 618-975-6593

<image001.png>

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 From:
 Kelly Simpson

 To:
 Jeffrey T Kaiser

 Subject:
 Eureka March Report Corrected App D

 Date:
 Friday, June 25, 2021 4:44:18 PM

 Attachments:
 image001.png App D-Depreciation Calc.pdf

**EXTERNAL EMAIL**: The Actual Sender of this email is ksimpson@flinnengineering.com "Think before you click!".

Jeff,

I added the 2 pages of depreciated values from the insurance list to Appendix D. Let me know if you need anything else.



From:Jeffrey T KaiserTo:Kelly SimpsonSubject:RE: can you give me a call regarding the Eureka report?Date:Friday, June 25, 2021 12:47:34 PMAttachments:image001.png

Below is the DR I need to talk with you about.

JTK

PSC 0035

## DATA INFORMATION REQUEST Missouri-American Water Company WA-2021-0376/SA-2021-0377 Eureka Acquisition

| Requested From:       | Nikki Pacific |
|-----------------------|---------------|
| Date Requested:       | 06/25/2021    |
| Information Requested |               |

In the Eureka Valuation Report, Appendix A page 2 of the application, the authors acknowledge that the Flinn Engineering Report was relied upon in completing their analysis of the subject property system. However, two different versions of the Flinn Engineering Report were filed in this case. The first version, dated March 16, 2020, is specified in the Valuation Report. A second version of the Flinn Engineering Report, dated January 18, 2020, was later filed in response to DR 0015, and that version reports much lower values for both the water and the sewer systems.

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Requested By: Mark Johnson

Information Provided:

Responsible witness: Brian Eisenloeffel

Jeffrey. T. Kaiser, P.E. Vice President of Operations Missouri American Water Company 727 Craig Road Creve Coeur, MO 63141 Phone: 314-996-2319 Mobile: 618-975-6593



From: Kelly Simpson <ksimpson@flinnengineering.com>
Sent: Friday, June 25, 2021 10:22 AM
To: Jeffrey T Kaiser <Jeffrey.Kaiser@amwater.com>
Subject: Re: can you give me a call regarding the Eureka report?

**EXTERNAL EMAIL**: The Actual Sender of this email is <u>ksimpson@flinnengineering.com</u> "Think before you click!".

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Jeffrey. T. Kaiser, P.E. Vice President of Operations Missouri American Water Company 727 Craig Road Creve Coeur, MO 63141 Phone: 314-996-2319 Mobile: 618-975-6593

<image001.png>

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| From:        | Kelly Simpson                           |
|--------------|---|
| То:          | <u>Jeffrey T Kaiser</u>                 |
| Subject:     | RE: Eureka DR                           |
| Date:        | Thursday, September 30, 2021 7:46:36 AM |
| Attachments: | image001.png                            |

**EXTERNAL EMAIL**: The Actual Sender of this email is ksimpson@flinnengineering.com "Think before you click!".

Jeff,

Regarding the condition of assets, I state in my report that the high-level review of the condition is based on data provided by the City and photos taken by others during their site visit. I purposely use the terms "appear" and "assume" to be clear that I am not making a bold statement about the condition of the assets.

The value placed on the WWTP is based on the insurance asset list provided by the City. The WWTP includes 14 lines near the bottom of the list included in Appendix A (the asset list as provided by the City) and Appendix D (the depreciation calculation). The 2019 value from the insurance list is \$1,973,110. I used depreciation rates approved by the MO PSC to get an estimated depreciated book value of \$943,428.

Please let me know if you need anything else.

Kelly Flinn-Simpson, PE, LEED® AP Owner 618-550-8427



From: Jeffrey T Kaiser <Jeffrey.Kaiser@amwater.com> Sent: Wednesday, September 29, 2021 6:06 PM To: Kelly Simpson <ksimpson@flinnengineering.com> Subject: Fwd: Eureka DR

Kelly can you give me a call in the morning so we can address these questions?

JTK Jeffrey T. Kaiser, PE Vice President of Operations Missouri American Water Company Office:314-996-2319

### MoPSC 0060 Attachment 1 Eureka, MO Asset Value Report Depreciated Value-Water Distribution and Sewer Collection Systems

WA-2021-0376

Page 11 of Bandix D March 16, 2020

| Asset Description         | Year Installed | Estimated Installation Cost<br>2019 | Age<br>(2019) | Depreciation<br>Period <sup>1</sup> | Depreciation <sup>2</sup>             | Depreciated<br>Value <sup>3</sup> |
|---------------------------|----------------|-------------------------------------|---------------|-------------------------------------|---------------------------------------|-----------------------------------|
| Water Main                | 1959           | \$ 1,702,945.50                     | 60            | 50                                  | \$ 2,043,534.60                       | \$ -                              |
| Water Main                | 1977           | \$ 3,405,891.00                     | 42            | 50                                  |                                       | \$ 544,942.56                     |
| Water Main                | 1990           |                                     |               | 50                                  | \$ 987,708.39                         | \$ 715,237.11                     |
| Water Main                | 1996           | \$ 1,702,945.50                     |               | 50                                  | · · · · · · · · · · · · · · · · · · · | \$ 919,590.57                     |
| Water Main                | 2003           | \$ 5,108,836.50                     | 16            | 50                                  | \$ 1,634,827.68                       | \$ 3,474,008.82                   |
| Water Main                | 2006           | \$ 1,702,945.50                     | 13            | 50                                  | \$ 442,765.83                         | \$ 1,260,179.67                   |
| Water Main                | 2017           | \$ 1,702,945.50                     | 2             | 50                                  | \$ 68,117.82                          | \$ 1,634,827.68                   |
| Fire Hydrants             | 1959           | \$ 224,000.00                       | 60            | 40                                  | \$ 336,000.00                         | \$ -                              |
| Fire Hydrants             | 1977           | \$ 451,500.00                       | 42            | 40                                  | \$ 474,075.00                         | \$ -                              |
| Fire Hydrants             | 1990           | \$ 224,000.00                       | 29            | 40                                  | \$ 162,400.00                         | \$ 61,600.00                      |
| Fire Hydrants             | 1996           | \$ 224,000.00                       | 23            | 40                                  | \$ 128,800.00                         | \$ 95,200.00                      |
| Fire Hydrants             | 2003           | \$ 675,500.00                       |               | 40                                  |                                       | \$ 405,300.00                     |
| Fire Hydrants             | 2006           | \$ 224,000.00                       | 13            | 40                                  | \$ 72,800.00                          | \$ 151,200.00                     |
| Fire Hydrants             | 2017           | \$ 224,000.00                       |               | 40                                  |                                       | \$ 212,800.00                     |
| Water Services and Meters | 1959           | \$ 592,500.00                       | 60            | 35                                  |                                       | \$ -                              |
| Water Services and Meters | 1977           | \$ 1,183,500.00                     | 42            | 35                                  | \$ 1,420,200.00                       | \$ -                              |
| Water Services and Meters | 1990           | \$ 592,500.00                       | 29            | 35                                  |                                       | \$ 101,571.43                     |
| Water Services and Meters | 1996           | \$ 592,500.00                       | 23            | 35                                  | \$ 389,357.14                         | \$ 203,142.86                     |
| Water Services and Meters | 2003           | \$ 1,774,500.00                     | 16            | 35                                  | \$ 811,200.00                         | \$ 963,300.00                     |
| Water Services and Meters | 2006           | \$ 592,500.00                       | 13            | 35                                  | \$ 220,071.43                         | \$ 372,428.57                     |
| Water Services and Meters | 2017           | \$ 592,500.00                       | 2             | 35                                  | \$ 33,857.14                          | \$ 558,642.86                     |
| Total Water Assets        |                | \$ 25,196,955.00                    |               |                                     |                                       | \$ 11,673,972.12                  |
| Sewer                     | 1950           | \$ 1,925,161.00                     | 69            | 50                                  | \$ 2,656,722.18                       | \$-                               |
| Sewer                     | 1976           | \$ 3,850,322.00                     | 43            | 50                                  | \$ 3,311,276.92                       | \$ 539,045.08                     |
| Sewer                     | 1987           | \$ 1,925,161.00                     | 32            | 50                                  | \$ 1,232,103.04                       | \$ 693,057.96                     |
| Sewer                     | 1995           | \$ 1,925,161.00                     | 24            | 50                                  | \$ 924,077.28                         | \$ 1,001,083.72                   |
| Sewer                     | 2000           | \$ 5,775,483.00                     | 19            | 50                                  | \$ 2,194,683.54                       | \$ 3,580,799.46                   |
| Sewer                     | 2005           | \$ 1,925,161.00                     | 14            | 50                                  | \$ 539,045.08                         | \$ 1,386,115.92                   |
| Sewer                     | 2018           | \$ 1,925,161.00                     | 1             | 50                                  | \$ 38,503.22                          | \$ 1,886,657.78                   |
| Manholes                  | 1950           | \$ 507,500.00                       | 69            | 50                                  | \$ 700,350.00                         | \$-                               |
| Manholes                  | 1976           | \$ 1,018,500.00                     | 43            | 50                                  | \$ 875,910.00                         | \$ 142,590.00                     |
| Manholes                  | 1987           | \$ 507,500.00                       | 32            | 50                                  | \$ 324,800.00                         | \$ 182,700.00                     |
| Manholes                  | 1995           | \$ 507,500.00                       | 24            | 50                                  |                                       | \$ 263,900.00                     |
| Manholes                  | 2000           | \$ 1,526,000.00                     | 19            | 50                                  | \$ 579,880.00                         | \$ 946,120.00                     |
| Manholes                  | 2005           | \$ 507,500.00                       | 14            | 50                                  | \$ 142,100.00                         | \$ 365,400.00                     |
| Manholes                  | 2018           | \$ 507,500.00                       | 1             | 50                                  | \$ 10,150.00                          | \$ 497,350.00                     |
| Service Laterals          | 1950           |                                     |               | 50                                  |                                       | \$-                               |
| Service Laterals          | 1976           | \$ 233,100.00                       | 43            | 50                                  | \$ 200,466.00                         | \$ 32,634.00                      |
| Service Laterals          | 1987           | \$ 116,700.00                       |               | 50                                  |                                       | \$ 42,012.00                      |
| Service Laterals          | 1995           | \$ 116,700.00                       | 24            | 50                                  | \$ 56,016.00                          | \$ 60,684.00                      |
| Service Laterals          | 2000           | \$ 349,800.00                       | 19            | 50                                  | \$ 132,924.00                         | \$ 216,876.00                     |
|                           | 2005           | ¢ 11/ 700 00                        | 14            | 50                                  | ¢ 22/7/00                             | ¢ 04.004.0                        |

Note 1 - Based on Missouri PSC Rate Case Dockets WR-2015-0138 Village Greens Water Company; WR-2016-0169 Woodland Manor Water Company; WR-2015-0104 Spokane Highlands Water Company; SR-2014-0105 Terre Du Lac Utility Company; SR-2014-0068 P.C.B., Inc.; and SR-2013-0435 Rogue Creek Sewer.

116,700.00

116,700.00

25,500,010.00

14

1

50 \$

50 \$ 32,676.00

2,334.00

\$

\$

84,024.00

114,366.00

\$ 12,035,415.92

2005

2018 \$

\$

\$

Note 2 - Depreciation = Age/Depreciation Period X Estimated Installation Cost

Total Wastewater Assets

Note 3 - Depreciated Value = Estimated Installation Cost - Depreciation

Service Laterals

Service Laterals

#### Eureka, MO Asset Value Report Depreciated Value-Assets in Insurance List

| APPRAISAL<br>REFERENCE | CITY REFERENCE   | DESCRIPTION                         | BUILDING 2019-20<br>VALUES | CONTENTS<br>2019-20<br>VALUES | TOTAL VALUE | APPROX YEAR<br>INSTALLED | Age (2019) | Depreciation<br>Period <sup>1</sup> | Depreciation <sup>2</sup> | Depreciated Value <sup>3</sup> |
|------------------------|--|-------------------------------------|----------------------------|-------------------------------|-------------|--------------------------|------------|-------------------------------------|---------------------------|--------------------------------|
| W-1                    | NIEHOFF TANK AND BOOSTER   | TANK#1                              | \$126.270                  |                               | \$126,270   | 2007                     | 12         | 42                                  | \$ 36,077.14              | \$ 90,192.86                   |
| W-1                    | NIEHOFF TANK AND BOOSTER   | BOOSTER BUILDING, PUMPS, ELECTRICAL | \$274,666                  |                               | \$274,666   | 2007                     | 12         | 44                                  | \$ 74,908.91              | \$ 199,757.09                  |
| W-1                    | NIEHOFF TANK AND BOOSTER   | TANK .5MG #7                        | \$477,939                  |                               | \$477,939   | 2007                     | 12         | 42                                  | \$ 136,554.00             |                                |
| W-10                   | EMERALD FOREST   | BOOSTER BUILDING                    | \$50,508                   |                               | \$50,508    | 1996                     | 23         | 44                                  | \$ 26,401.91              |                                |
| W-10                   | EMERALD FOREST   | PUMPS                               | \$45,916                   |                               | \$45,916    | 1996                     | 23         | 7                                   | \$ 150,866.86             |                                |
| W-10                   | EMERALD FOREST   | ELECTRICAL                          | \$34.437                   |                               | \$34.437    | 1996                     | 23         | 44                                  | \$ 18,001.16              |                                |
| W-10                   | EMERALD FOREST   | GENERATOR                           | \$45,916                   |                               | \$45,916    | 1996                     | 23         | 15                                  | \$ 70,404.53              |                                |
| W-2                    | BROCK TANK AND PALISADES BOOSTER   | TANK #3                             | \$376,200                  |                               | \$376,200   | 2003                     | 16         | 42                                  | \$ 143,314.29             |                                |
| W-2                    | BROCK TANK AND PALISADES BOOSTER   | PALISADES BOOSTER STA. BLDG         | \$57,396                   |                               | \$57,396    | 2003                     | 16         | 44                                  | \$ 20,871.27              |                                |
| W-2                    | BROCK TANK AND PALISADES BOOSTER   | PUMPS                               | \$68,874                   |                               | \$68,874    | 2003                     | 16         | 7                                   | \$ 157,426.29             |                                |
| W-2                    | BROCK TANK AND PALISADES BOOSTER   | ELECTRICAL                          | \$80,354                   |                               | \$80,354    | 2003                     | 16         | 44                                  | \$ 29,219.64              |                                |
| W-2                    | BROCK TANK AND PALISADES BOOSTER   | GENERATOR                           | \$68.874                   |                               | \$68,874    | 2003                     | 16         | 15                                  | \$ 73,465.60              | \$ -                           |
| W-3                    | WELL #5  | WELL 5 BLDG                         | \$74,614                   |                               | \$74,614    | 1990                     | 29         | 44                                  | \$ 49,177.41              |                                |
| W-3                    | WELL #5  | PUMP                                | \$73,467                   |                               | \$73,467    | 1990                     | 29         | 12                                  | \$ 177,545.25             |                                |
| W-3                    | WELL #5  | CASING/HOLE                         | \$80,354                   |                               | \$80,354    | 1990                     | 29         | 55                                  | \$ 42,368.47              | \$ 37,985.53                   |
| W-3                    | WELL #5  | GENERATOR                           | \$45,916                   |                               | \$45,916    | 1990                     | 29         | 15                                  | \$ 88,770.93              | \$ -                           |
| W-3                    | WELL#5   | ELECTRICAL                          | \$45,916                   |                               | \$45,916    | 1990                     | 29         | 44                                  | \$ 30,262.82              | \$ 15,653.18                   |
| W-3                    | WELL#5   | DISINFECTION                        | \$44,768                   |                               | \$44,768    | 1990                     | 29         | 35                                  | \$ 37,093.49              | \$ 7,674.51                    |
| W-3                    |  | WATER SOFTENING EQUIPMENT           | \$306.000                  |                               | \$306.000   | 2012                     | 7          | 35                                  | \$ 61,200.00              | \$ 244,800.00                  |
| W-4                    | LEGENDS TANK AND WELL #6 AND LEGENDS BOOSTER   | WELL 6 BLDG. #1                     | \$74.614                   |                               | \$74.614    | 1996                     | 23         | 44                                  | \$ 39,002.77              | \$ 35,611.23                   |
| W-4                    |  | PUMP                                | \$73.467                   |                               | \$73.467    | 1996                     | 23         | 12                                  | \$ 140,811.75             |                                |
| W-4                    | LEGENDS TANK AND WELL #6 AND LEGENDS BOOSTER   | CASING/HOLE                         | \$80,354                   |                               | \$80.354    | 1996                     | 23         | 55                                  | \$ 33,602.58              |                                |
| W-4                    | LEGENDS TANK AND WELL #6 AND LEGENDS BOOSTER   | GENERATOR                           | \$103.312                  |                               | \$103.312   | 1996                     | 23         | 15                                  | \$ 158,411,73             | \$ -                           |
| W-4                    |  | ELECTRICAL                          | \$45,916                   |                               | \$45,916    | 1996                     | 23         | 44                                  | \$ 24,001.55              |                                |
| W-4                    |  | DISINFECTION                        | \$44,768                   |                               | \$44,768    | 1996                     | 23         | 35                                  | \$ 29,418.97              |                                |
| W-4                    | LEGENDS TANK AND WELL #6 AND LEGENDS BOOSTER<br>LEGENDS TANK AND WELL #6 AND LEGENDS BOOSTER | LEGENDS BOOSTER BLDG.               | \$68.874                   |                               | \$68.874    | 1996                     | 23         | 44                                  | \$ 36,002.32              |                                |
| W-4<br>W-4             | LEGENDS TANK AND WELL #6 AND LEGENDS BOOSTER   | PUMPS                               | \$86,093                   | -                             | \$86,093    | 1996                     | 23         | 44                                  | \$ 282.877.00             | \$ 52,071.00                   |
| W-4<br>W-4             | LEGENDS TANK AND WELL #6 AND LEGENDS BOOSTER   | ELECTRICAL                          | \$68,874                   |                               | \$68.874    | 1996                     | 23         | 44                                  | \$ 36,002.32              | \$ 32.871.68                   |
|                        |  | TANK 5 MG #5                        |                            |                               |             | 1996                     | 23         | 44                                  | \$ 206.014.29             |                                |
| W-4                    | LEGENDS TANK AND WELL #6 AND LEGENDS BOOSTER   | WELL 6 BLDG. #2                     | \$376,200                  |                               | \$376,200   |                          | 23         |                                     | \$ 43,720.91              |                                |
| W-4                    | LEGENDS TANK AND WELL #6 AND LEGENDS BOOSTER   |                                     | \$83,640                   |                               | \$83,640    | 1996                     | 23         | 44                                  | \$ 61.200.00              | \$ 244,800,00                  |
| W-4                    | LEGENDS TANK AND WELL #6 AND LEGENDS BOOSTER   | WATER SOFTENING EQUIPMENT           | \$306.000                  |                               | \$306.000   | 2012                     | 13         | 35                                  | \$ 28,811.84              |                                |
|                        |  | WELL 10 BLDG                        | \$97,517                   |                               | \$97,517    | 2006                     | -          | 44                                  |                           |                                |
|                        | WELLE #10  | PUMP                                | \$43,507                   |                               | \$43,507    | 2006                     | 13         | 12                                  | \$ 47,132.58              |                                |
| W-5                    | WELL #10   | CASING/HOLE                         | \$59.903                   |                               | \$59.903    | 2006                     |            | 55                                  | \$ 14,158.89              |                                |
| W-5                    | WELL #10   | GENERATOR                           | \$51,437                   |                               | \$51,437    | 2006                     | 13         | 15                                  | \$ 44,578.73              |                                |
|                        | WELL #10   | ELECTRICAL                          | \$54,652                   |                               | \$54,652    | 2006                     | 13         | 44                                  | \$ 16,147.18              |                                |
|                        | WELL #10   | DISINFECTION                        | \$39.650                   |                               | \$39,650    | 2006                     | 13         | 35                                  | \$ 14,727.14              |                                |
|                        | WELL #10   | WATER SOFTENING EQUIPMENT           | \$306,000                  |                               | \$306,000   | 2012                     | 7          | 35                                  | \$ 61,200.00              |                                |
|                        | WEEL //1   | WELL 1 BLDG                         | \$74.614                   |                               | \$74,614    | 1977                     | 42         | 44                                  | \$ 71,222.45              |                                |
|                        | WELL#1   | PUMP                                | \$73,467                   |                               | \$73,467    | 1977                     | 42         | 12                                  | \$ 257,134.50             |                                |
|                        | WELL #1  | CASING/HOLE                         | \$80,354                   |                               | \$80,354    | 1977                     | 42         | 55                                  | \$ 61,361.24              |                                |
| W-6                    | WELL#1   | GENERATOR                           | \$45.916                   |                               | \$45.916    | 1977                     | 42         | 15                                  | \$ 128,564.80             |                                |
| W-6                    | WELL #1  | ELECTRICAL                          | \$45,916                   |                               | \$45,916    | 1977                     | 42         | 44                                  | \$ 43,828.91              |                                |
| W-6                    | WELL #1  | DISINFECTION                        | \$44,768                   |                               | \$44,768    | 1977                     | 42         | 35                                  | \$ 53,721.60              |                                |
|                        | WELL #1  | WATER SOFTENING EQUIPMENT           | \$306,000                  |                               | \$306,000   | 2012                     | 7          | 35                                  | \$ 61,200.00              |                                |
| W-7                    |  | WELL - Arbors of Rockwood           | \$160,000                  |                               | \$160,000   | 2017                     | 2          | 44                                  | \$ 7,272.73               |                                |
|                        |  | 500,000 GALLON WATER STORAGE TANK   | \$606,000                  |                               | \$606,000   | 2017                     | 2          | 42                                  | \$ 28,857.14              |                                |
|                        |  | BUILDING INCLUDING WATER            | \$2,308,000                |                               | \$2,308,000 | 2017                     | 2          | 44                                  | \$ 104,909.09             |                                |
|                        | WELL #8 AND VIOLA LANE TANKS   | WELL 8 BLDG                         | \$74,614                   |                               | \$74,614    | 2003                     | 16         | 44                                  | \$ 27,132.36              |                                |
| W-8                    |  | WATER SOFTENING EQUIPMENT           | \$306,000                  |                               | \$306,000   | 2012                     | 7          | 35                                  | \$ 61,200.00              |                                |
| W-8                    | WELL #8 AND VIOLA LANE TANKS   | PUMP                                | \$73,467                   |                               | \$73,467    | 2003                     | 16         | 12                                  | \$ 97,956.00              |                                |
| W-8                    | WELL #8 AND VIOLA LANE TANKS   | CASING/HOLE                         | \$80,354                   |                               | \$80,354    | 2003                     | 16         | 55                                  | \$ 23,375.71              |                                |
| W-8                    | WELL #8 AND VIOLA LANE TANKS   | GENERATOR                           | \$103,312                  |                               | \$103,312   | 2003                     | 16         | 15                                  | \$ 110,199.47             |                                |
| W-8                    |  | ELECTRICAL                          | \$45,916                   |                               | \$45,916    | 2003                     | 16         | 44                                  | \$ 16,696.73              |                                |
|                        | WELL #8 AND VIOLA LANE TANKS   | DISINFECTION                        | \$44,768                   |                               | \$44,768    | 2003                     | 16         | 35                                  | \$ 20,465.37              | \$ 24,302.63                   |
|                        | WELL #8 AND VIOLA LANE TANKS   | HUNTERS BOOSTER BLDG                | \$57,396                   |                               | \$57,396    | 2003                     | 16         | 44                                  | \$ 20,871.27              |                                |
|                        | WELL #8 AND VIOLA LANE TANKS   | PUMPS                               | \$51,656                   |                               | \$51,656    | 2003                     | 16         | 7                                   | \$ 118,070.86             |                                |
|                        | WELL #8 AND VIOLA LANE TANKS   | ELECTRICAL                          | \$68,874                   |                               | \$68,874    | 2003                     | 16         | 44                                  | \$ 25,045.09              |                                |
| W-8                    | WELL #8 AND VIOLA LANE TANKS   | HILLTOP BOOSTER BLDG                | \$57,396                   |                               | \$57,396    | 2003                     | 16         | 44                                  | \$ 20,871.27              | \$ 36,524.73                   |
| W-8                    | WELL#8 AND VIOLA LANE TANKS  | PUMPS                               | \$45,916                   |                               | \$45,916    | 2003                     | 16         | 7                                   | \$ 104,950.86             | \$ -                           |
| W-8                    | WELL #8 AND VIOLA LANE TAINES<br>WELL #8 AND VIOLA LANE TAINES                               | ELECTRICAL                          | \$57,396                   |                               | \$57,396    | 2003                     | 16         | 44                                  | \$ 20.871.27              | \$ 36,524.73                   |
| W-8                    | WELL #8 AND VIOLA LANE TANKS   | TANK .5MG #4                        | \$376,200                  |                               | \$376,200   | 1977                     | 42         | 44                                  | \$ 376,200,00             | \$ -                           |
| W-8                    | WELL #8 AND VIOLA LANE TANKS   | TANK .2MG #2                        | \$286,978                  |                               | \$286,978   | 1966                     | 53         | 42                                  | \$ 362,138.90             | \$                             |
| W-8<br>W-9             | FORBY ROAD TANK AND BOOSTER  | TANK 5MG #6                         | \$376,200                  |                               | \$376,200   | 2005                     | 14         | 42                                  | \$ 125,400.00             | \$ 250,800,00                  |
| W-9<br>W-9             | FORBY ROAD TANK AND BOOSTER<br>FORBY ROAD TANK AND BOOSTER                                   | BOOSTER STATION                     | \$110.376                  |                               | \$110.376   | 2005                     | 14         | 42                                  | \$ 35,119.64              |                                |
| vv -9                  |  | GENERATOR                           | \$110,376                  | -                             | \$110,376   | 2005                     | 14         | 44                                  | \$ 41.206.67              |                                |
| W_9                    | FORBY ROAD TANK AND BOOSTER  |                                     |                            |                               |             |                          |            |                                     |                           |                                |

#### Eureka, MO Asset Value Report Depreciated Value-Assets in Insurance List

| APPRAISAL<br>REFERENCE | CITY REFERENCE | DESCRIPTION           | BUILDING 2019-20<br>VALUES | CONTENTS<br>2019-20 TOTAL<br>VALUES | VALUE APPROX YEAR<br>INSTALLED | Age (2019) | Depreciation<br>Period <sup>1</sup> | Depreciation <sup>2</sup> | Depreciated Value <sup>3</sup> |
|------------------------|----------------|-----------------------|----------------------------|-------------------------------------|--------------------------------|------------|-------------------------------------|---------------------------|--------------------------------|
| WW-1 WWTP              |                | INFLUENT PUMP STATION | \$109.052                  | \$109                               | .052 2005                      | 1 14       | 44                                  | \$ 34,698.36              | \$ 74,353.64                   |

| WW-1  | WWTP                         | PUMPS                               | \$76,336    |           | \$76,336    | 2005 | 14 | 10 | \$ 106,870.40   |               |
|-------|------------------------------|-------------------------------------|-------------|-----------|-------------|------|----|----|-----------------|---------------|
| WW-1  | WWTP                         | SCREENING BUILDING                  | \$113,506   |           | \$113,506   | 2005 | 14 | 44 | \$ 36,115.55    |               |
| WW-1  | WWTP                         | SCREEN/WASHER                       | \$87,815    |           | \$87,815    | 2005 | 14 | 22 | \$ 55,882.27    |               |
| WW-1  | WWTP                         | ULTRA VIOLET STRUCTURE              | \$212,363   |           | \$212,363   | 2005 | 14 | 44 | \$ 67,570.05    |               |
| WW-1  | WWTP                         | ELECTRICAL                          | \$153.246   |           | \$153,246   | 2005 | 14 | 44 | \$ 48,760.09    |               |
| WW-1  | WWTP                         | EFFLUENT PUMP STATION               | \$109,052   |           | \$109,052   | 2005 | 14 | 44 | \$ 34,698.36    | \$ 74,353.64  |
| WW-1  | WWTP                         | PUMPS                               | \$53,033    |           | \$53,033    | 2005 | 14 | 10 | \$ 74,246.20    |               |
| WW-1  | WWTP                         | BLOWER BLDG.                        | \$40,177    |           | \$40,177    | 2005 | 14 | 44 | \$ 12,783.59    |               |
| WW-1  | WWTP                         | BLOWERS                             | \$124,307   |           | \$124,307   | 2005 | 14 | 22 | \$ 79,104.45    |               |
| WW-1  | WWTP                         | ELECTRICAL                          | \$86,093    |           | \$86,093    | 2005 | 14 | 44 | \$ 27,393.23    |               |
| WW-1  | WWTP                         | GENERATOR                           | \$103.312   |           | \$103.312   | 2005 | 14 | 15 | \$ 96,424.53    |               |
| WW-1  | WWTP                         | LABORATORY BUILDING                 | \$107,904   | \$22,959  | \$130,863   | 2005 | 14 | 44 | \$ 41,638.23    |               |
| WW-1  | WWTP                         | AERATION/BAFFLES/AQUAMATS           | \$573,955   |           | \$573,955   | 2005 | 14 | 22 | \$ 365,244.09   |               |
| WW-10 | KOA CAMPGROUND LIFT STATION  | S. FOX CREEK LIFT STATION/GEN BLDG. | \$179,142   | \$44,150  | \$223,292   | 1989 | 30 | 10 | \$ 669,876.00   |               |
| WW-11 | CAHOON LIFT STATION          | LIFT STATION & BUILDING             | \$2,928     | \$45,916  | \$48,844    | 1950 | 69 | 10 | \$ 337,023.60   |               |
| WW-2  | RANERI LIFT STATION          | SEWAGE LIFT STATION                 | \$29,857    |           | \$29.857    | 2000 | 19 | 10 | \$ 56,728.30    |               |
| WW-3  | STONEBRIDGE LIFT STATION     | LIFT STATION                        | \$149,229   |           | \$149,229   | 1950 | 69 | 10 | \$ 1,029,680.10 |               |
| WW-4  | HWY 109 LIFT STATION         | LIFT STATION & GENERATOR BLDG       | \$11,709    | \$206,623 | \$218,332   | 1986 | 33 | 10 | \$ 720,495.60   |               |
| WW-5  | NORTH STREET #1 LIFT STATION | LIFT STATION                        | \$25,254    |           | \$25,254    | 1995 | 24 | 10 | \$ 60,609.60    |               |
| WW-6  | NORTH STREET #2 LIFT STATION | LIFT STATION                        | \$16.071    |           | \$16,071    | 1995 | 24 | 10 | \$ 38,570.40    |               |
| WW-7  | ENDERBUSH LIFT STATION       | LIFT STATION                        | \$34,437    |           | \$34,437    | 2004 | 15 | 10 | \$ 51,655.50    |               |
| WW-8  | HILLTOP LIFT STATION         | LIFT STATION & GENERATOR BLDG       | \$5.854     | \$160,707 | \$166,561   | 1976 | 43 | 10 | \$ 716,212.30   |               |
| WW-9  | THE ARBORS LIFT STATION      |                                     | \$350,000   |           | \$350,000   | 2018 | 1  | 10 | \$ 35,000.00    | \$ 315,000.00 |
|       |                              | Wastewater Subtotal                 | \$2.754.632 | \$480.355 | \$3.234.987 |      |    |    |                 | \$1.258.428   |
|       |                              |                                     |             |           |             |      |    |    |                 |               |

Note 1 - Based on Missouri PSC Rate Case Dockets WR-2015-0138 Village Greens Water Company; WR-2016-0169 Woodland Manor Water Company; WR-2015-0104 Spokane Highlands Water Company; SR-2014-0105 Terre Du Lac Utility Company; SR-2014-0068 P.C.B., Inc.; and SR-2013-0435 Rogue Creek Sewer.

Note 2 - Depreciation = Age/Depreciation Period X Estimated Installation Cost

Note 3 - Depreciated Value = Estimated Installation Cost - Depreciation

### City of Eureka Parcel Data

| Year Built  | No. of Parcels |                             |
|---|----------------|-----------------------------|
| 0-1959  | 309            |                             |
| 1960-1969   | 329            |                             |
| 1970-1979   | 513            |                             |
| 1980-1989   | 279            |                             |
| 1990-1999   | 1201           |                             |
| 2000-2009   | 944            |                             |
| 2010-2019   | 350            |                             |
|   |                |                             |
|   |                | Percent of Total            |
|   |                | Percent of Total<br>Parcels |
| Total Number of Parcels   | 3925           |                             |
| Total Number of Parcels<br>Total Parcels Prior to 1960                  | 3925<br>309    |                             |
|   |                | Parcels                     |
| Total Parcels Prior to 1960   |                | Parcels                     |
| Total Parcels Prior to 1960<br>Total Number of Parcels                  | 309            | Parcels<br>7.87%            |
| Total Parcels Prior to 1960<br>Total Number of Parcels<br>Prior to 1980 | 309            | Parcels<br>7.87%            |

Note: Parcels with year built 0 = 940 Note: Parcels with year built from 1850-1959 = 250 Note: Parcels NOT Vacant/Agriculture w/ Year Built of 0 = 59

| Parcel Year Built |      | Percent by Year | Rounded | Use in Calc. |
|-------------------|------|-----------------|---------|--------------|
| Up To 1959        | 309  | 7.87%           | 8       | 10           |
| Between 1960-1977 | 698  | 17.78%          | 18      | 20           |
| Between 1978-1990 | 463  | 11.80%          | 12      | 10           |
| Between 1991-1996 | 389  | 9.91%           | 10      | 10           |
| Between 1997-2003 | 1261 | 32.13%          | 32      | 30           |
| Between 2004-2006 | 279  | 7.11%           | 7       | 10           |
| After 2006        | 526  | 13.40%          | 13      | 10           |
|                   |      |                 | 100     | 100          |
|                   | 3925 |                 |         |              |

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## **Derek R Linam**

From: Sent: To: Subject: Attachments:

Derek R Linam Wednesday, February 26, 2020 11:15 AM Kelly Simpson (ksimpson@flinnengineering.com) Eureka Parcel Analysis Eureka Parcel Data.xlsx

Derek Linam, P.E. Engineering Manager Missouri American Water Company <u>derek.linam@amwater.com</u> P: 314-996-2456 C: 314-486-0508

## City of Eureka Parcel Data

| Year Built                  | No. of Parcels |                  | Note: Parcels with year built 0 = 940                        |  |        |  |  |  |  |  |
|-----------------------------|----------------|------------------|--|--|--------|--|--|--|--|--|
| 0-1959                      | 309            |                  | Note: Parcels with year built from 1850-1959 = 250           |  |        |  |  |  |  |  |
| 1960-1969                   | 329            |                  | Note: Parcels NOT Vacant/Agriculture w/ Year Built of 0 = 59 | Note: Parcels NOT Vacant/Agriculture w/ Year Built of 0 = 59 |        |  |  |  |  |  |
| 1970-1979                   | 513            |                  |  |  |        |  |  |  |  |  |
| 1980-1989                   | 279            |                  |  |  |        |  |  |  |  |  |
| 1990-1999                   | 1201           |                  |  |  |        |  |  |  |  |  |
| 2000-2009                   | 944            |                  |  |  |        |  |  |  |  |  |
| 2010-2019                   | 350            |                  | Parcel Year Built  | Parcel Year Built Percent by                                 |        |  |  |  |  |  |
|                             |                | Percent of Total |  |  |        |  |  |  |  |  |
|                             |                | Parcels          | Up To 1959   | 309  | 7.87%  |  |  |  |  |  |
| Total Number of Parcels     | 3925           |                  | Between 1960-1977  | 698  | 17.78% |  |  |  |  |  |
| Total Parcels Prior to 1960 | 309            | 7.87%            | Between 1978-1990  | 463  | 11.80% |  |  |  |  |  |
| Total Number of Parcels     |                |                  |  |  |        |  |  |  |  |  |
| Prior to 1980               | 1151           | 29.32%           | Between 1991-1996  | 389  | 9.91%  |  |  |  |  |  |
| Total Number of Parcels     |                |                  |  |  |        |  |  |  |  |  |
| 1980 to Present             | 2774           | 70.68%           | Between 1997-2003  | 1261   | 32.13% |  |  |  |  |  |
|                             |                |                  | Between 2004-2006  | 279  | 7.11%  |  |  |  |  |  |
|                             |                |                  | After 2006   | 526  | 13.40% |  |  |  |  |  |

3925

## **Derek R Linam**

From: Sent: To: Subject: Attachments: Kelly Simpson <ksimpson@flinnengineering.com> Monday, February 10, 2020 10:13 AM Derek R Linam RE: Meeting Today Eureka Asset Cost Estimate.xlsx

EXTERNAL EMAIL - "Think before you click!"

Derek,

I'll take a look before we meet. I attached my spreadsheet if you want to try some different percentages. They are on the "Water Main" tab and the "Sewer Tab". They both feed directly to the "Depreciation" tab so don't change any numbers on that one.

Kelly Flinn-Simpson, PE, LEED® AP Owner 618-550-8427



From: Derek R Linam <Derek.Linam@amwater.com> Sent: Monday, February 10, 2020 10:07 AM To: Kelly Simpson <ksimpson@flinnengineering.com> Subject: RE: Meeting Today

Kelly,

Here is a "crude" spreadsheet I put together of parcel data, year built, that we can discuss. Thought I would send it to you to look at before our discussion. Again, just wondering how a "newer" system assumption will impact depreciated value for the water and waste water distribution and collection systems.

Thanks Derek

From: Kelly Simpson <<u>ksimpson@flinnengineering.com</u>> Sent: Monday, February 10, 2020 6:59 AM To: Derek R Linam <<u>Derek.Linam@amwater.com</u>> Subject: Meeting Today

EXTERNAL EMAIL - "Think before you click!"

Derek,

Can we plan on discussing Eureka over the phone? I've been fighting some sinus issues and today is the worst. I'm still working all day. I would rather not be out and around people just in case it's something more than just sinus issues.

Can you create a Teams meeting or Skype or whatever you guys use? Then I could share my screen if you want to see my spreadsheet.

Kelly Flinn-Simpson, PE, LEED® AP Owner 618-550-8427



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## **City of Eureka Parcel Data**

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|--------------|-------------------------|---------------|
|--------------|-------------------------|---------------|

|   | Year Built                  | No. of Parcels |                  |
|---|-----------------------------|----------------|------------------|
|   | 0-1959                      | 309            |                  |
| ) | 1960-1969                   | 329            |                  |
|   | 1970-1979                   | 513            |                  |
|   | 1980-1989                   | 279            |                  |
|   | 1990-1999                   | 1201           |                  |
|   | 2000-2009                   | 944            |                  |
|   | 2010-2019                   | 350            |                  |
|   |                             |                | Percent of Total |
|   |                             |                | Parcels          |
|   | Total Number of Parcels     | 3925           |                  |
|   | Total Parcels Prior to 1960 | 309            | 7.87%            |
|   | Total Number of Parcels     |                |                  |
|   | Prior to 1980               | 1151           | 29.32%           |
|   | Total Number of Parcels     |                |                  |
|   | 1980 to Present             | 2774           | 70.68%           |
|   |                             |                |                  |

Note: Parcels with year built 0 = 940 Note: Parcels with year built from 1850-1959 = 250 Note: Parcels NOT Vacant/Agriculture w/ Year Built of 0 = 59

WA-2021-0376 MoPSC 0060 Attachment 1 Page 20 of 31

## **Derek R Linam**

From: Sent: To: Subject: Derek R Linam Monday, February 10, 2020 8:28 AM 'Kelly Simpson' RE: Meeting Today

Kelly,

Sure, we can meet by phone. I'll try to setup a skype meeting.

Derek

From: Kelly Simpson <ksimpson@flinnengineering.com> Sent: Monday, February 10, 2020 6:59 AM To: Derek R Linam <Derek.Linam@amwater.com> Subject: Meeting Today

EXTERNAL EMAIL - "Think before you click!"

Derek,

Can we plan on discussing Eureka over the phone? I've been fighting some sinus issues and today is the worst. I'm still working all day. I would rather not be out and around people just in case it's something more than just sinus issues.

Can you create a Teams meeting or Skype or whatever you guys use? Then I could share my screen if you want to see my spreadsheet.



WA-2021-0376 MoPSC 0060 Attachment 1 Page 21 of 31

### **Derek R Linam**

From: Sent: To: Subject:

Derek R Linam Friday, February 7, 2020 1:53 PM 'Kelly Simpson' RE: Eureka Report

Sounds good. Thanks.

From: Kelly Simpson <ksimpson@flinnengineering.com> Sent: Friday, February 7, 2020 1:52 PM To: Derek R Linam <Derek.Linam@amwater.com> Subject: RE: Eureka Report

EXTERNAL EMAIL - "Think before you click!"

I'll come to your office and bring everything on my laptop. We can test various assumptions live on the spreadsheet and see what it does.

Kelly Flinn-Simpson, PE, LEED® AP Owner 618-550-8427



From: Derek R Linam <<u>Derek.Linam@amwater.com</u>> Sent: Friday, February 7, 2020 12:22 PM To: Kelly Simpson <<u>ksimpson@flinnengineering.com</u>> Subject: RE: Eureka Report

Kelly,

We can probably discuss on the phone. I wanted to review the assumption that the system was 70% built by the 1950's. I pulled some statistics from parcels out of GIS and wondered how it might change the depreciated value if we use some different assumptions. I'm available at 1:30 p.m. if that works for you and we can chat via phone or if you'd like to meet in person we can do that too.

Derek

From: Kelly Simpson <<u>ksimpson@flinnengineering.com</u>> Sent: Friday, February 7, 2020 11:05 AM To: Derek R Linam <<u>Derek.Linam@amwater.com</u>> Subject: Fwd: Eureka Report

## Derek R Linam

From: Sent: To: Subject: Derek R Linam Friday, February 7, 2020 1:59 PM 'Kelly Simpson' RE: Eureka Report

Sounds good, see you then. Derek

From: Kelly Simpson <ksimpson@flinnengineering.com> Sent: Friday, February 7, 2020 1:59 PM To: Derek R Linam <Derek.Linam@amwater.com> Subject: RE: Eureka Report

EXTERNAL EMAIL - "Think before you click!"

1pm works for me

Kelly Flinn-Simpson, PE, LEED® AP Owner 618-550-8427



From: Derek R Linam <<u>Derek.Linam@amwater.com</u>> Sent: Friday, February 7, 2020 1:57 PM To: Kelly Simpson <<u>ksimpson@flinnengineering.com</u>> Subject: RE: Eureka Report

Also, can we meet at 1pm? IF not 1:30pm is still fine.

Derek

From: Kelly Simpson <<u>ksimpson@flinnengineering.com</u>> Sent: Friday, February 7, 2020 1:52 PM To: Derek R Linam <<u>Derek.Linam@amwater.com</u>> Subject: RE: Eureka Report

EXTERNAL EMAIL - "Think before you click!"

I'll come to your office and bring everything on my laptop. We can test various assumptions live on the spreadsheet and see what it does.

Kelly Flinn-Simpson, PE, LEED® AP

WA-2021-0376 MoPSC 0060 Attachment 1 Page 23 of 31

Owner 618-550-8427



From: Derek R Linam <<u>Derek.Linam@amwater.com</u>> Sent: Friday, February 7, 2020 12:22 PM To: Kelly Simpson <<u>ksimpson@flinnengineering.com</u>> Subject: RE: Eureka Report

Kelly,

We can probably discuss on the phone. I wanted to review the assumption that the system was 70% built by the 1950's. I pulled some statistics from parcels out of GIS and wondered how it might change the depreciated value if we use some different assumptions. I'm available at 1:30 p.m. if that works for you and we can chat via phone or if you'd like to meet in person we can do that too.

Derek

From: Kelly Simpson <<u>ksimpson@flinnengineering.com</u>> Sent: Friday, February 7, 2020 11:05 AM To: Derek R Linam <<u>Derek.Linam@amwater.com</u>> Subject: Fwd: Eureka Report

EXTERNAL EMAIL - "Think before you click!"

Derek,

My lunch meeting Monday is canceled. I'm available any time Monday.

Begin forwarded message:

From: Kelly Simpson <<u>ksimpson@flinnengineering.com</u>> Date: February 6, 2020 at 4:06:00 PM CST To: Derek R Linam <<u>Derek.Linam@amwater.com</u>> Subject: RE: Eureka Report

Derek,

I am available by phone Monday all morning. I'll be gone from 11:15 to 1:00, then available all afternoon. Tuesday I have a conference call from 10:00-11:00 then leaving at 2:30 for an appointment and available other than that.

If you want to meet in person, I could do that too. My availability would be a little different though. I could ditch the lunch meeting on Monday. It's just a contractor wanting to pick my brain about IL-Am.

WA-2021-0376 MoPSC 0060 Attachment 1 Page 24 of 31

Kelly Flinn-Simpson, PE, LEED® AP Owner 618-550-8427 <image001.png>

From: Derek R Linam <<u>Derek.Linam@amwater.com</u>> Sent: Thursday, February 6, 2020 3:59 PM To: Kelly Simpson <<u>ksimpson@flinnengineering.com</u>> Subject: Eureka Report

Kelly,

Do you have time to meet next Monday or Tuesday to discuss the Eureka Engineering Report?

Thanks Derek

Derek Linam, P.E. Engineering Manager Missouri American Water Company <u>derek.linam@amwater.com</u> P: 314-996-2456 C: 314-486-0508

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## **Melisha N Billups**

| From:    | Kelly Simpson <ksimpson@flinnengineering.com></ksimpson@flinnengineering.com> |
|----------|---|
| Sent:    | Tuesday, December 10, 2019 9:39 AM  |
| То:      | Joe Batis; Edward Dinan; Melisha N Billups                                    |
| Subject: | RE: Eureka  |

### EXTERNAL EMAIL - "Think before you click!"

Joe,

This is tough to squeeze in an entire day at this time of year. The only day that I can do this is next Tuesday, December 17. I could possibly do it Monday, December 16 but I would need to be done and on the road by 1:00 pm.

Kelly Flinn-Simpson, PE, LEED® AP Owner 618-550-8427



From: Joe Batis <joe@batisappraisals.com>
Sent: Tuesday, December 10, 2019 9:35 AM
To: Edward Dinan <edinan@dinanreal.com>; Kelly Simpson <ksimpson@flinnengineering.com>; Melisha N Billups
<Melisha.Billups@amwater.com>
Subject: Eureka

Hello Ed and Kelly,

I would like to set a date with Craig Sabo for The two of you to inspect the Eureka facilities. It seems like all of their information is in place and in order now so things should go smoothly. Please provide me a list of the dates that you are available over the next 7 to 10 days so I can check with Craig and get this scheduled and keep it moving forward. A prompt reply would be helpful.

Thank you again,

Joe

---

EDWARD J. BATIS & ASSOCIATES, INC.

Real Estate Appraisers and Consultants

Joseph E. Batis, MAI, R/W-AC State General Certified in Illinois, Iowa, Missouri, Virginia, Tennessee, South Carolina, North Carolina

313 N. Chicago Street Joliet, Illinois 60432

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Phone (815) 726-1455 Cell (815) 545-7197 Fax (815) 846-3810

## **Melisha N Billups**

From:Kelly Simpson <ksimpson@flinnengineering.com>Sent:Wednesday, November 20, 2019 3:33 PMTo:Melisha N Billups; Joe Batis; Edward Dinan; Elizabeth Goodman Schneider; Jordan LeinerSubject:RE: Eureka

### EXTERNAL EMAIL - "Think before you click!"

Melisha,

You requested the asset depreciation list. They probably don't have one.

Kelly Flinn-Simpson, PE, LEED® AP Owner 618-550-8427



From: Melisha N Billups <Melisha.Billups@amwater.com>
Sent: Friday, November 15, 2019 10:36 AM
To: Kelly Simpson <ksimpson@flinnengineering.com>; Joe Batis <joe@batisappraisals.com>; Edward Dinan
<edinan@dinanreal.com>; Elizabeth Goodman Schneider <goodmanappraisal@gmail.com>; Jordan Leiner
<jleiner@dinanreal.com>
Subject: RE: Eureka

Hi Kelly,

To my knowledge, this is all of the information that they have. I initially sent them the attached list. Is there anything else that you would like for me to request?

Thanks, Melisha Billups o: 314.996.2245 | i: 7.400.2245 c: 314.896.4080

From: Kelly Simpson <<u>ksimpson@flinnengineering.com</u>>
Sent: Friday, November 15, 2019 9:59 AM
To: Joe Batis <<u>joe@batisappraisals.com</u>>; Edward Dinan <<u>edinan@dinanreal.com</u>>; Elizabeth Goodman Schneider
<<u>goodmanappraisal@gmail.com</u>>; Jordan Leiner <<u>jleiner@dinanreal.com</u>>; Elizabeth Goodman Schneider
Cc: Melisha N Billups <<u>Melisha.Billups@amwater.com</u>>
Subject: RE: Eureka

### EXTERNAL EMAIL - "Think before you click!"

That's a lot of info to sift through. I didn't see an asset/depreciation list. I saw an insurance asset list which is a start.

I am available for another site visit on the following days

11/21, 11/22, 11/25, 12/2, 12/4, 12/5, 12/6

Kelly Flinn-Simpson, PE, LEED® AP Owner 618-550-8427



From: Joe Batis <joe@batisappraisals.com>
Sent: Wednesday, November 13, 2019 1:51 PM
To: Edward Dinan <<u>edinan@dinanreal.com</u>>; Elizabeth Goodman \_ AQUA <<u>goodmanappraisal@gmail.com</u>>; Jordan Leiner <<u>jleiner@dinanreal.com</u>>; Kelly Simpson <<u>ksimpson@flinnengineering.com</u>>
Cc: Melisha N Billups <<u>Melisha.Billups@amwater.com</u>>
Subject: Re: Eureka

Hello just checking in with everyone to see if you had a chance to review any of the documents yet and if you can send me an email about your availability to reinspect Eureka so we can get this report finished in the next few weeks for The client. Elizabeth – I recall that you are fine with your inspections and you do not need to come back for a second trip.

On Tue, Nov 5, 2019 at 10:03 AM Joe Batis < <a>joe@batisappraisals.com</a>> wrote:

Good Morning,

I've invited you all (by email/link) to a Google Drive folder that includes all of the files provided by Eureka. Please review -- we need to set a schedule with the client for getting back on this project and providing an estimated delivery date.

Thank you,

Joe

EDWARD J. BATIS & ASSOCIATES, INC.

Real Estate Appraisers and Consultants

### Joseph E. Batis, MAI, R/W-AC

State General Certified in Illinois, Iowa, Missouri, Virginia, Tennessee, South Carolina, North Carolina

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## **Brian W LaGrand**

| From:        | Derek R Linam   |
|--------------|---|
| Sent:        | Wednesday, May 5, 2021 1:25 PM  |
| То:          | Brian W LaGrand   |
| Subject:     | FW: Eureka Revised Report   |
| Attachments: | Eureka Report.pdf; App E - PSC Depreciation Rate Schedules.pdf; App A-Insurance Asset List.pdf; App |
|              | B-MDNR 2019-census.pdf; App C-MDNR WWTP Op Permit.pdf; App D-Depreciation Calc.pdf                  |

Brian,

Here are the .pdf files from Flinn Engineering. Not sure that you need the Appendix docs to go with it, but she sent everything. The report was dated March 16 as the header indicated.

Derek

From: Kelly Simpson <ksimpson@flinnengineering.com>
Sent: Wednesday, May 5, 2021 12:44 PM
To: Derek R Linam <Derek.Linam@amwater.com>
Subject: FW: Eureka Revised Report

EXTERNAL EMAIL: The Actual Sender of this email is <a href="mailto:ksimpson@flinnengineering.com">ksimpson@flinnengineering.com</a> "Think before you click!".

Kelly Flinn-Simpson, PE, LEED® AP Owner 618-550-8427



From: Kelly Simpson Sent: Monday, March 16, 2020 2:41 PM To: Joe Batis <<u>joe@batisappraisals.com</u>> Subject: Eureka Revised Report

Joe,

The revised report for Eureka is attached. The summary I sent to you 2 weeks ago was incorrect. I didn't update the age of the hydrants, services, manholes, and laterals. Here is a summary of what changed.

The estimated depreciation value of the buried infrastructure (water distribution and sewer collection systems) was based on an assumption of the age of the assets. I was able to get GIS data from the St. Louis County GIS parcel data which shows the date buildings were built. This significantly increased the estimated depreciation value of the assets. In the report, I changed:

- Tables 4, 7, and 9
- The description of the assumption of age under Water Distribution System and Sewer Collection System
- Appendix D

If you ask MO-Am for an amendment to revise the report, I have \$550 in extra time revising my part. If you don't want to ask for an amendment, I'm ok with that too. Please let me know if you have any questions.

