

TRANSMITTAL LETTER

RECEIVED

MAY 3 2017

Public Service
Commission

TO: Talina R. Mathews
Executive Director
Public Service Commission
P.O. Box 615
Frankfort, KY 40602

FROM: Western Fleming County Water District
Patrick E. Price, Attorney
Suit, Price, Price & Ruark, PLLC
207 Court Square
Flemingsburg, KY 41041
Phone: 606-849-2338
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SUBJECT: Attached is Western Fleming County Water District's Answers to Commission Staff's Second Request for Information to Western Fleming County Water District.

RECEIVED

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

MAY 3 2017

Public Service
Commission

In the Matter of:

APPLICATION OF WESTERN FLEMING COUNTY)
WATER DISTRICT REQUESTING A DEVIATION)
FROM REQUIREMENTS OF 807 KAR 5:066,)
SECTION 4(4))

CASE NO.
2016-00424

ANSWER TO COMMISSION STAFF'S
SECOND REQUEST FOR INFORMATION

* * *

Comes Western Fleming County Water District (hereinafter referred to as "WFCWD"), and for their answers to the Commissioner Staff's Request for Information and responds as follows:

QUESTION 1:

Refer to the Western Fleming's response to Staff's First Request for Information ("Staff's First Request) Item 1.c, and state why "(a)dditional storage would only increase the likelihood of high TTHMs (trihalomethanes)."

ANSWER 1:

The formation of TTHM's is directly related to the age of the water. In other words, the older the water the more likely it is to develop high levels of TTHM's. Additional water storage would increase the time it takes water to reach the customer. Thereby, increasing the likelihood of high levels of TTHM's.

There appears to be two significant discrepancies between the 2015 Annual Use Report and the Water Statistics Information at page 61 of 71 of the Annual Report: the amount of Wholesale Water and the WFWD Commercial Sales. The WFWD Commercial Sales differs by a factor of 10. This is likely just a typo. (See the attached Chart.) For the purpose of answering the questions concerning usage, all amounts will be based on the 2015 Annual Use Report.

QUESTION 2:

Refer to Western Fleming's response to Staff's First Request, Item 6:

- a. Provide a supporting schedule that demonstrated the calculation of the approximate 375,000 gallons per day identified by Western Fleming as its customers' demand, and also a calculation of the per-day amount using the Water Statistics information in the *annual Report of Western Fleming County Water District for Year Ended December 31, 2015* ("Annual Report") at page 61 of 71;
- b. Confirm that the approximate 100,000-gallon amount identified by Western Fleming as purchased from Greater Fleming County Regional Water Commission ("greater Fleming") and the approximate 275,000-gallon amount identified by Western Fleming as the amount produced by Western Fleming are both per day amounts. If either is not a per-day amount, identify the measurement period for each amount.
- c. Provided a supporting schedule that demonstrated the calculation of the approximate 100,000-gallon amount identified by Western Fleming as its purchases from Greater Fleming, and also a calculation of the amount using the Water Statistics information at page 61 of 71 of the Annual Report; and
- d. Provide a supporting schedule that demonstrated the calculation of the approximate 275,000-gallon amount identified by Western Fleming as its water production, and also a calculation of the amount using the Water Statistics information at page 61 of 71 of the Annual Report.

ANSWER 2:

- a. Based on the 2015 Annual Water Use Report, the demand for WFWD's system is 377,383 gallons per day. Attached is the Annual Water Use Report for 2015 along with

the Water Use Report for each month of 2015.

b. These amounts were both per day amounts.

c. Based on the attached 2015 Annual Water Use Report, WFWD purchased 34,820,800 gallons from Greater Fleming County Regional Water Commission. This equates to 95,399 gallons per day.

d. Based on the attached 2015 Annual Water Use Report, WFWD's annual system demand was 137,744,821 gallons. This equates to 377,383 gallons per day. Since, WFWD purchased an average of 95,39 gallons per day from GRCRWC, then 281,984 gallons per day produced by WFWD served its own system demand.

ATTACHED INFORMATION

Attached is the 2015 Water Usage Information for Western Fleming Water District marked Exhibit "A".

I have completed the answers to the Commission Staff's Request for Information, and to the best of my knowledge all the answers and information contained herein is true and correct.


VERNON BARTON, Chairman

5/1/17
DATE

These Answers to the Commission Staff's Request for Information was prepared under my direction and mailed to Talina R. Mathews, Executive Director, Public Service Commission, P.O. Box 615, Frankfort, KY 40602.


PATRICK E. PRICE

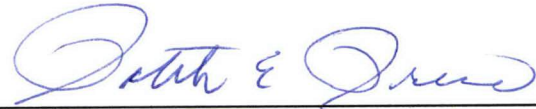
May 1, 2017
DATE

A copy of the foregoing Answer has been mailed on this 1st day of May

2017, to the following:

Western Fleming County Water District
1500 Ewing Road
P.O. Box 16
Ewing, KY 41039

Western Fleming County Water District
Attn: Vernon Barton, Chairman
1500 Ewing Road
P.O. Box 16
Ewing, KY 41039



PATRICK E. PRICE
SUIT, PRICE, PRICE, & RUARK, PLLC
207 COURT SQUARE
FLEMINGSBURG, KY 41041
(606) 849-2338

<rk/Pleadings/Answer-WFCWD(2)>

**2015 WATER USAGE INFORMATION
FOR
WESTERN FLEMING WATER DISTRICT**

| | 2015 Annual Use Report | | Water Statistics from 2015 Annual Report (page 61 of 71) | |
|--------------------------------------------------------------------------------------------|------------------------|----------------------------|----------------------------------------------------------|----------------------------|
| | (gallons/year) | | (gallons/year) | |
| Water Produced | 346,159,721 | | 346,159,000 | |
| Water Purchased from GFCRWC | 34,820,800 | or 95,399 gallons per day | 34,818,000 | or 95,392 gallons per day |
| Total | 380,980,521 | | 380,977,000 | |
| Wholesale Water | 204,910,300 | | 198,796,000 | |
| WFWD Residential Sales | 81,835,742 | | 81,835,000 | |
| WFWD Commercial Sales | 678,830 | | 6,788,000 | |
| WFWD Industrial Sales | 2,090,700 | | 2,090,000 | |
| Total | 84,605,272 | | 90,713,000 | |
| Total Water Sold | 289,515,572 | | 289,509,000 | |
| WFWD WTP Usage | 38,325,400 | | 38,325,000 | |
| WFWD Flushing/Fire Dept/Other | 3,270,350 | | 3,627,000 | |
| Total Water Used | 331,111,322 | | 331,461,000 | |
| Water Loss | 49,869,199 | | 49,516,000 | |
| Percent Water Loss | 13.1 | | 13.0 | |
| WFWD's Total System Usage (Includes Sales to WFWD Customers, Flushing & Water Loss.) | 137,744,821 | or 377,383 gallons per day | 143,856,000 | or 394,126 gallons per day |
| Water Produced by WFWD to Serve Its Ownd System Demand | 102,924,021 | or 281,984 gallons per day | 109,038,000 | or 298,734 gallons per day |

Annual Water Use Report

Water Utility: Western Fleming County Water Dist. PWSID: KY0910675

Year: 2015

| | | |
|---|--------------------------------------|--------|
| 1 | AVERAGE PRODUCTION COST PER THOUSAND | \$1.57 |
| 2 | AVERAGE PURCHASE COST PER THOUSAND | \$1.86 |

GALLONS

| | | | | |
|------------------------------------|-------------------------------------|--------------|--------------|-----|
| WATER PRODUCED or PURCHASED | | | | |
| 3 | Water Produced | \$543,470.76 | 346,159,721 | 91% |
| 4 | Water Purchased | \$84,766.69 | 34,820,800 | 9% |
| 5 | TOTAL PRODUCED AND PURCHASED | | 380,980,521 | |
| 6 | TOTAL COST | | \$608,237.45 | |

| | | | | |
|-------------------|-----------------------------|--|-------------|---------------|
| WATER SOLD | | | | |
| 7 | Residential | | 81,835,742 | |
| 8 | Commercial | | 678,830 | |
| 9 | Industrial | | 2,090,700 | |
| 10 | Bulk Loading Stations | | 0 | |
| 11 | Wholesale | | 204,910,300 | |
| 12 | Other Sales | | 0 | |
| 13 | TOTAL WATER SOLD | | 289,515,572 | 75.99% |
| 14 | TOTAL WATER NOT SOLD | | 91,464,949 | 24.01% |

| | | | | |
|---------------------------------|------------------------------------------------|--|------------|---------------|
| BREAKDOWN OF WATER USAGE | | | | |
| 15 | Water Treatment Plant | | 38,325,400 | |
| 16 | Wastewater Treatment Plant | | 0 | |
| 17 | System Flushing | | 3,225,150 | |
| 18 | Fire Department Usage | | 8,200 | |
| 19 | Other Usage | | 32,000 | |
| 20 | TOTAL USAGE | | 41,590,750 | |
| 21 | WATER LOSS PERCENTAGE FOR RATE PURPOSES | | | 13.09% |

| | | | | |
|--------------------------------|---------------------------------------|--|-------------|--------|
| BREAKDOWN OF WATER LOST | | | | |
| 22 | Tank Overflows | | 0 | |
| 23 | Excavation Breaks | | 0 | |
| 24 | Repaired Line Breaks | | 5,000 | |
| 25 | Unknown Loss | | 49,869,199 | 13.09% |
| 26 | TOTAL WATER NOT SOLD OR USED | | 49,874,199 | |
| 27 | COST OF WATER NOT SOLD OR USED | | \$79,626.70 | |

| | | | | |
|-------------------------------------------|--------------------------------------------------|--|-------------|--|
| "UNKNOWN LOSS" FLOW RATE AND COST: | | | | |
| 28 | "Unknown Loss" for Period | | 49,869,199 | |
| 29 | % "Unknown Loss" for Period | | 13.09% | |
| 30 | Number of Days in Period | | 365 | |
| 31 | Average "Unknown Loss" per Day (Gallons per Day) | | 136,628 | |
| 32 | Average "Unknown Loss" per Minute (GPM) | | 94.88 | |
| 33 | "Unknown Loss" Cost for Period | | \$79,618.72 | |

Water Use Report

Water Utility:

Western Fleming County Water Dist.

PWSID: **KY0910675**

For the Month of:

January

Year: **2015**

| | | |
|---|------------------------------|--------|
| 1 | PRODUCTION COST PER THOUSAND | \$1.57 |
| 2 | PURCHASE COST PER THOUSAND | \$1.86 |

GALLONS

| WATER PRODUCED or PURCHASED | | | | |
|-----------------------------|-------------------------------------|-------------|-------------|-----|
| 3 | Water Produced | \$43,536.82 | 27,730,460 | 91% |
| 4 | Water Purchased | \$5,339.69 | 2,870,800 | 9% |
| 5 | TOTAL PRODUCED AND PURCHASED | | 30,601,260 | |
| 6 | TOTAL COST | | \$48,876.51 | |

| WATER SOLD | | | | |
|------------|-----------------------------|-----|------------|--------|
| 7 | Residential | | 7,074,690 | |
| 8 | Commercial | | 61,470 | |
| 9 | Industrial | | 132,000 | |
| 10 | Bulk Loading Stations | | | |
| 11 | Wholesale | | 21,343,800 | |
| 12 | Other Sales (explain) | n/a | | |
| 13 | TOTAL WATER SOLD | | 28,611,960 | 93.50% |
| 14 | TOTAL WATER NOT SOLD | | 1,989,300 | 6.50% |

| BREAKDOWN OF WATER USAGE | | | | |
|--------------------------|----------------------------|------------------|-----------|--|
| 15 | Water Treatment Plant | | 1,976,010 | |
| 16 | Wastewater Treatment Plant | | | |
| 17 | System Flushing | | 250,000 | |
| 18 | Fire Department Usage | | | |
| 19 | Other Usage (explain) | Community Center | 2,000 | |

| | | | | |
|----|------------------------------------------------|--------------------|---------------|--|
| 20 | | TOTAL USAGE | 2,228,010 | |
| 21 | WATER LOSS PERCENTAGE FOR RATE PURPOSES | | -0.78% | |

| BREAKDOWN OF WATER LOST | | | | |
|---------------------------------------------------------|---------------------------------------|--|-----------|--------|
| 22 | Tank Overflows | | 0 | |
| 23 | Excavation Breaks | | 0 | |
| 24 | Repaired Line Breaks | | | |
| 25 | Unknown Loss | | -238,710 | -0.78% |
| ERROR - Unknown Loss cannot be a negative value. | | | | |
| 26 | TOTAL WATER NOT SOLD OR USED | | -238,710 | |
| 27 | COST OF WATER NOT SOLD OR USED | | -\$381.27 | |

"UNKNOWN LOSS" FLOW RATE AND COST:

| | | | | |
|----|------------------------------------------|--|-----------|--|
| 28 | "Unknown Loss" | | -238,710 | |
| 29 | % "Unknown Loss" | | -0.78% | |
| 30 | Number of Days in Period | | 31 | |
| 31 | "Unknown Loss" per Day (Gallons per Day) | | -7,700 | |
| 32 | "Unknown Loss" per Minute (GPM) | | -5.35 | |
| 33 | "Unknown Loss" Cost for Month | | -\$381.27 | |

Water Use Report

Water Utility: Western Fleming County Water Dist. PWSID: KY0910675

For the Month of: February Year: 2015

| | | |
|---|------------------------------|--------|
| 1 | PRODUCTION COST PER THOUSAND | \$1.57 |
| 2 | PURCHASE COST PER THOUSAND | \$1.86 |

GALLONS

| WATER PRODUCED or PURCHASED | | | |
|-----------------------------|-------------------------------------|--------------------|-------------------|
| 3 | Water Produced | \$42,456.05 | 27,042,070 |
| 4 | Water Purchased | \$4,668.60 | 2,510,000 |
| 5 | TOTAL PRODUCED AND PURCHASED | | 29,552,070 |
| 6 | TOTAL COST | \$47,124.65 | |

| WATER SOLD | | | |
|------------|--------------------------------------------------------------|--|---------------------------------|
| 7 | Residential | | 7,725,827 |
| 8 | Commercial | | 59,200 |
| 9 | Industrial | | 198,400 |
| 10 | Bulk Loading Stations | | 0 |
| 11 | Wholesale | | 15,449,000 |
| 12 | Other Sales (explain) n/a | | 0 |
| 13 | TOTAL WATER SOLD | | 23,432,427 79.29% |
| 14 | TOTAL WATER NOT SOLD | | 6,119,643 20.71% |

BREAKDOWN OF WATER USAGE

| | | | |
|----|---------------------------------------------------------------------------|--|-----------|
| 15 | Water Treatment Plant | | 3,220,210 |
| 16 | Wastewater Treatment Plant | | |
| 17 | System Flushing | | 0 |
| 18 | Fire Department Usage | | |
| 19 | Other Usage (explain) Community Center | | 2,000 |

20 **TOTAL USAGE** 3,222,210

21 **WATER LOSS PERCENTAGE FOR RATE PURPOSES** **9.80%**

BREAKDOWN OF WATER LOST

| | | | |
|----|----------------------|--|------------------------|
| 22 | Tank Overflows | | 0 |
| 23 | Excavation Breaks | | 0 |
| 24 | Repaired Line Breaks | | 0 |
| 25 | Unknown Loss | | 2,897,433 9.80% |

26 **TOTAL WATER NOT SOLD OR USED** **2,897,433**

27 **COST OF WATER NOT SOLD OR USED** **\$4,620.34**

"UNKNOWN LOSS" FLOW RATE AND COST:

| | | |
|----|------------------------------------------|------------|
| 28 | "Unknown Loss" | 2,897,433 |
| 29 | % "Unknown Loss" | 9.80% |
| 30 | Number of Days in Period | 28 |
| 31 | "Unknown Loss" per Day (Gallons per Day) | 103,480 |
| 32 | "Unknown Loss" per Minute (GPM) | 71.86 |
| 33 | "Unknown Loss" Cost for Month | \$4,620.34 |

Water Use Report

Water Utility: Western Fleming County Water Dist. PWSID: KY0910676

For the Month of: March Year: 2015

| | | | |
|---|------------------------------|--|--------|
| 1 | PRODUCTION COST PER THOUSAND | | \$1.57 |
| 2 | PURCHASE COST PER THOUSAND | | \$1.86 |

GALLONS

| | | | | |
|------------------------------------|-------------------------------------|-------------|-------------|-----|
| WATER PRODUCED or PURCHASED | | | | |
| 3 | Water Produced | \$44,201.72 | 28,153,961 | 91% |
| 4 | Water Purchased | \$5,226.60 | 2,810,000 | 9% |
| 5 | TOTAL PRODUCED AND PURCHASED | | 30,963,961 | |
| 6 | TOTAL COST | | \$49,428.32 | |

WATER SOLD

| | | | | |
|----|-----------------------------|-----|------------|--------|
| 7 | Residential | | 6,259,683 | |
| 8 | Commercial | | 51,330 | |
| 9 | Industrial | | 68,700 | |
| 10 | Bulk Loading Stations | | 0 | |
| 11 | Wholesale | | 18,314,600 | |
| 12 | Other Sales (explain) _____ | n/a | 0 | |
| 13 | TOTAL WATER SOLD | | 24,692,313 | 79.75% |
| 14 | TOTAL WATER NOT SOLD | | 6,271,648 | 20.25% |

BREAKDOWN OF WATER USAGE

| | | | | |
|----|-----------------------------|------------------|-----------|--|
| 15 | Water Treatment Plant | | 2,237,050 | |
| 16 | Wastewater Treatment Plant | | | |
| 17 | System Flushing | | 50,000 | |
| 18 | Fire Department Usage | | | |
| 19 | Other Usage (explain) _____ | Community Center | 2,000 | |

20 **TOTAL USAGE** 2,289,050

21 **WATER LOSS PERCENTAGE FOR RATE PURPOSES** 12.86%

BREAKDOWN OF WATER LOST

| | | | | |
|----|----------------------|--|-----------|--------|
| 22 | Tank Overflows | | 0 | |
| 23 | Excavation Breaks | | 0 | |
| 24 | Repaired Line Breaks | | 5,000 | |
| 25 | Unknown Loss | | 3,977,598 | 12.85% |

26 **TOTAL WATER NOT SOLD OR USED** 3,982,598

27 **COST OF WATER NOT SOLD OR USED** \$6,357.49

"UNKNOWN LOSS" FLOW RATE AND COST:

| | | | | |
|----|------------------------------------------|--|------------|--|
| 28 | "Unknown Loss" | | 3,977,598 | |
| 29 | % "Unknown Loss" | | 12.85% | |
| 30 | Number of Days in Period | | 31 | |
| 31 | "Unknown Loss" per Day (Gallons per Day) | | 128,310 | |
| 32 | "Unknown Loss" per Minute (GPM) | | 89.10 | |
| 33 | "Unknown Loss" Cost for Month | | \$6,349.51 | |

Water Use Report

Water Utility: Western Fleming County Water Dist. PWSID: KY0910675

For the Month of: April Year: 2015

| | | |
|---|------------------------------|--------|
| 1 | PRODUCTION COST PER THOUSAND | \$1.57 |
| 2 | PURCHASE COST PER THOUSAND | \$1.86 |

GALLONS

| | | | |
|------------------------------------|-------------------------------------|-------------|-------------|
| WATER PRODUCED or PURCHASED | | | |
| 3 | Water Produced | \$37,733.24 | 24,033,910 |
| 4 | Water Purchased | \$4,445.40 | 2,390,000 |
| 5 | TOTAL PRODUCED AND PURCHASED | | 26,423,910 |
| 6 | TOTAL COST | | \$42,178.64 |

WATER SOLD

| | | |
|----|-------------------------------------------------------------------|------------|
| 7 | Residential | 6,334,710 |
| 8 | Commercial | 48,990 |
| 9 | Industrial | 96,900 |
| 10 | Bulk Loading Stations | 0 |
| 11 | Wholesale | 16,395,700 |
| 12 | Other Sales (explain) n/a | 0 |

| | | | |
|----|-----------------------------|------------|--------|
| 13 | TOTAL WATER SOLD | 22,876,300 | 86.57% |
| 14 | TOTAL WATER NOT SOLD | 3,547,610 | 13.43% |

BREAKDOWN OF WATER USAGE

| | | |
|----|--------------------------------------------------------------------------------|-----------|
| 15 | Water Treatment Plant | 2,935,760 |
| 16 | Wastewater Treatment Plant | 0 |
| 17 | System Flushing | 11,150 |
| 18 | Fire Department Usage | |
| 19 | Other Usage (explain) Community Center | 2,000 |

| | | |
|----|--------------------|-----------|
| 20 | TOTAL USAGE | 2,948,910 |
|----|--------------------|-----------|

| | | |
|----|------------------------------------------------|--------------|
| 21 | WATER LOSS PERCENTAGE FOR RATE PURPOSES | 2.27% |
|----|------------------------------------------------|--------------|

BREAKDOWN OF WATER LOST

| | | |
|----|----------------------|---------|
| 22 | Tank Overflows | 0 |
| 23 | Excavation Breaks | 0 |
| 24 | Repaired Line Breaks | |
| 25 | Unknown Loss | 598,700 |

| | | |
|----|-------------------------------------|---------|
| 26 | TOTAL WATER NOT SOLD OR USED | 598,700 |
|----|-------------------------------------|---------|

| | | |
|----|---------------------------------------|----------|
| 27 | COST OF WATER NOT SOLD OR USED | \$955.66 |
|----|---------------------------------------|----------|

"UNKNOWN LOSS" FLOW RATE AND COST:

| | | |
|----|------------------------------------------|----------|
| 28 | "Unknown Loss" | 598,700 |
| 29 | % "Unknown Loss" | 2.27% |
| 30 | Number of Days in Period | 30 |
| 31 | "Unknown Loss" per Day (Gallons per Day) | 19,957 |
| 32 | "Unknown Loss" per Minute (GPM) | 13.86 |
| 33 | "Unknown Loss" Cost for Month | \$955.66 |

Water Use Report

Water Utility: Western Fleming County Water Dist. PWSID: KY0910675

For the Month of: May Year: 2015

| | | |
|---|------------------------------|--------|
| 1 | PRODUCTION COST PER THOUSAND | \$1.57 |
| 2 | PURCHASE COST PER THOUSAND | \$1.86 |

GALLONS

| | | | | |
|------------------------------------|-------------------------------------|-------------|-------------|-----|
| WATER PRODUCED or PURCHASED | | | | |
| 3 | Water Produced | \$45,224.17 | 28,805,201 | 91% |
| 4 | Water Purchased | \$5,449.80 | 2,930,000 | 9% |
| 5 | TOTAL PRODUCED AND PURCHASED | | 31,735,201 | |
| 6 | TOTAL COST | | \$50,673.97 | |

WATER SOLD

| | | | |
|----|-----------------------------|-----|------------|
| 7 | Residential | | 5,662,090 |
| 8 | Commercial | | 50,520 |
| 9 | Industrial | | 137,100 |
| 10 | Bulk Loading Stations | | 0 |
| 11 | Wholesale | | 16,286,300 |
| 12 | Other Sales (explain) _____ | n/a | 0 |

| | | | | |
|----|-----------------------------|--|------------|---------------|
| 13 | TOTAL WATER SOLD | | 22,136,010 | 69.75% |
| 14 | TOTAL WATER NOT SOLD | | 9,599,191 | 30.25% |

BREAKDOWN OF WATER USAGE

| | | | |
|----|-----------------------------|------------------|-----------|
| 15 | Water Treatment Plant | | 2,758,081 |
| 16 | Wastewater Treatment Plant | | 0 |
| 17 | System Flushing | | 525,000 |
| 18 | Fire Department Usage | | 6,100 |
| 19 | Other Usage (explain) _____ | Community Center | 2,000 |

| | | | |
|----|--------------------|--|-----------|
| 20 | TOTAL USAGE | | 3,291,181 |
|----|--------------------|--|-----------|

| | | | |
|----|------------------------------------------------|--|---------------|
| 21 | WATER LOSS PERCENTAGE FOR RATE PURPOSES | | 19.88% |
|----|------------------------------------------------|--|---------------|

BREAKDOWN OF WATER LOST

| | | | | |
|----|----------------------|--|-----------|--------|
| 22 | Tank Overflows | | 0 | |
| 23 | Excavation Breaks | | 0 | |
| 24 | Repaired Line Breaks | | 0 | |
| 25 | Unknown Loss | | 6,308,010 | 19.88% |

| | | | |
|----|-------------------------------------|--|-----------|
| 26 | TOTAL WATER NOT SOLD OR USED | | 6,308,010 |
|----|-------------------------------------|--|-----------|

| | | | |
|----|---------------------------------------|--|--------------------|
| 27 | COST OF WATER NOT SOLD OR USED | | \$10,072.47 |
|----|---------------------------------------|--|--------------------|

"UNKNOWN LOSS" FLOW RATE AND COST:

| | | | |
|----|------------------------------------------|--|-------------|
| 28 | "Unknown Loss" | | 6,308,010 |
| 29 | % "Unknown Loss" | | 19.88% |
| 30 | Number of Days in Period | | 31 |
| 31 | "Unknown Loss" per Day (Gallons per Day) | | 203,484 |
| 32 | "Unknown Loss" per Minute (GPM) | | 141.31 |
| 33 | "Unknown Loss" Cost for Month | | \$10,072.47 |

Water Use Report

Water Utility:

Western Fleming County Water Dist.

PWSID: **KY0910675**

For the Month of:

June

Year: **2015**

| | | |
|---|------------------------------|--------|
| 1 | PRODUCTION COST PER THOUSAND | \$1.57 |
| 2 | PURCHASE COST PER THOUSAND | \$1.86 |

GALLONS

| | | | |
|------------------------------------|-------------------------------------|-------------|----------------|
| WATER PRODUCED or PURCHASED | | | |
| 3 | Water Produced | \$45,151.88 | 28,759,160 91% |
| 4 | Water Purchased | \$5,580.00 | 3,000,000 9% |
| 5 | TOTAL PRODUCED AND PURCHASED | | 31,759,160 |
| 6 | TOTAL COST | | \$50,731.88 |

WATER SOLD

| | | | | |
|----|-----------------------------|-----|--|-------------------|
| 7 | Residential | | | 7,603,820 |
| 8 | Commercial | | | 54,180 |
| 9 | Industrial | | | 181,500 |
| 10 | Bulk Loading Stations | | | 0 |
| 11 | Wholesale | | | 18,692,000 |
| 12 | Other Sales (explain) _____ | n/a | | 0 |
| 13 | TOTAL WATER SOLD | | | 26,531,500 83.54% |
| 14 | TOTAL WATER NOT SOLD | | | 5,227,660 16.46% |

BREAKDOWN OF WATER USAGE

| | | | | |
|----|-----------------------------|------------------|--|-----------|
| 15 | Water Treatment Plant | | | 2,691,610 |
| 16 | Wastewater Treatment Plant | | | 0 |
| 17 | System Flushing | | | 130,000 |
| 18 | Fire Department Usage | | | 0 |
| 19 | Other Usage (explain) _____ | Community Center | | 2,000 |
| 20 | TOTAL USAGE | | | 2,823,610 |

WATER LOSS PERCENTAGE FOR RATE PURPOSES 7.57%

BREAKDOWN OF WATER LOST

| | | | | |
|----|---------------------------------------|--|--|-----------------|
| 22 | Tank Overflows | | | |
| 23 | Excavation Breaks | | | 0 |
| 24 | Repaired Line Breaks | | | |
| 25 | Unknown Loss | | | 2,404,050 7.57% |
| 26 | TOTAL WATER NOT SOLD OR USED | | | 2,404,050 |
| 27 | COST OF WATER NOT SOLD OR USED | | | \$3,840.21 |

"UNKNOWN LOSS" FLOW RATE AND COST:

| | | |
|----|------------------------------------------|------------|
| 28 | "Unknown Loss" | 2,404,050 |
| 29 | % "Unknown Loss" | 7.57% |
| 30 | Number of Days in Period | 30 |
| 31 | "Unknown Loss" per Day (Gallons per Day) | 80,135 |
| 32 | "Unknown Loss" per Minute (GPM) | 55.65 |
| 33 | "Unknown Loss" Cost for Month | \$3,840.21 |

Water Use Report

Water Utility: Western Fleming County Water Dist. PWSID: KY0910675

For the Month of: July Year: 2015

| | | |
|---|------------------------------|--------|
| 1 | PRODUCTION COST PER THOUSAND | \$1.57 |
| 2 | PURCHASE COST PER THOUSAND | \$1.86 |

GALLONS

| | | | | |
|------------------------------------|-------------------------------------|-------------|-------------|-----|
| WATER PRODUCED or PURCHASED | | | | |
| 3 | Water Produced | \$46,759.53 | 29,783,142 | 91% |
| 4 | Water Purchased | \$5,208.00 | 2,800,000 | 9% |
| 5 | TOTAL PRODUCED AND PURCHASED | | 32,583,142 | |
| 6 | TOTAL COST | | \$51,967.53 | |

WATER SOLD

| | | | | |
|----|-----------------------------|-----|------------|---------------|
| 7 | Residential | | 7,413,970 | |
| 8 | Commercial | | 59,330 | |
| 9 | Industrial | | 160,200 | |
| 10 | Bulk Loading Stations | | 0 | |
| 11 | Wholesale | | 16,833,300 | |
| 12 | Other Sales (explain) | n/a | | |
| 13 | TOTAL WATER SOLD | | 24,466,800 | 75.09% |
| 14 | TOTAL WATER NOT SOLD | | 8,116,342 | 24.91% |

BREAKDOWN OF WATER USAGE

| | | | | |
|----|------------------------------------------------|-----------|-----------|---------------|
| 15 | Water Treatment Plant | | 3,347,012 | |
| 16 | Wastewater Treatment Plant | | 0 | |
| 17 | System Flushing | | 145,000 | |
| 18 | Fire Department Usage | | | |
| 19 | Other Usage (explain) | firehouse | 2,000 | |
| 20 | TOTAL USAGE | | 3,494,012 | |
| 21 | WATER LOSS PERCENTAGE FOR RATE PURPOSES | | | 14.19% |

BREAKDOWN OF WATER LOST

| | | | | |
|----|---------------------------------------|--|-------------------|--------|
| 22 | Tank Overflows | | 0 | |
| 23 | Excavation Breaks | | 0 | |
| 24 | Repaired Line Breaks | | 0 | |
| 25 | Unknown Loss | | 4,622,330 | 14.19% |
| 26 | TOTAL WATER NOT SOLD OR USED | | 4,622,330 | |
| 27 | COST OF WATER NOT SOLD OR USED | | \$7,372.25 | |

"UNKNOWN LOSS" FLOW RATE AND COST:

| | | | | |
|----|------------------------------------------|--|------------|--|
| 28 | "Unknown Loss" | | 4,622,330 | |
| 29 | % "Unknown Loss" | | 14.19% | |
| 30 | Number of Days in Period | | 31 | |
| 31 | "Unknown Loss" per Day (Gallons per Day) | | 149,107 | |
| 32 | "Unknown Loss" per Minute (GPM) | | 103.55 | |
| 33 | "Unknown Loss" Cost for Month | | \$7,372.25 | |

Water Use Report

Water Utility: Western Fleming County Water Dist. PWSID: KY0910675

For the Month of: August Year: 2015

| | | |
|---|------------------------------|--------|
| 1 | PRODUCTION COST PER THOUSAND | \$1.57 |
| 2 | PURCHASE COST PER THOUSAND | \$1.86 |

GALLONS

| | | | | |
|------------------------------------|-------------------------------------|-------------|-------------|-----|
| WATER PRODUCED or PURCHASED | | | | |
| 3 | Water Produced | \$49,912.26 | 31,791,247 | 91% |
| 4 | Water Purchased | \$5,859.00 | 3,150,000 | 9% |
| 5 | TOTAL PRODUCED AND PURCHASED | | 34,941,247 | |
| 6 | TOTAL COST | | \$55,771.26 | |

WATER SOLD

| | | |
|----|-------------------------------------------------------------------|------------|
| 7 | Residential | 6,972,240 |
| 8 | Commercial | 64,700 |
| 9 | Industrial | 199,900 |
| 10 | Bulk Loading Stations | |
| 11 | Wholesale | 17,019,000 |
| 12 | Other Sales (explain) n/a | 0 |

| | | | |
|----|-----------------------------|------------|---------------|
| 13 | TOTAL WATER SOLD | 24,255,840 | 69.42% |
| 14 | TOTAL WATER NOT SOLD | 10,685,407 | 30.58% |

BREAKDOWN OF WATER USAGE

| | | |
|----|--------------------------------------------------------------------------------|-----------|
| 15 | Water Treatment Plant | 3,535,317 |
| 16 | Wastewater Treatment Plant | 0 |
| 17 | System Flushing | 28,500 |
| 18 | Fire Department Usage | |
| 19 | Other Usage (explain) Community Center | 2,000 |

20 **TOTAL USAGE** 3,565,817

21 **WATER LOSS PERCENTAGE FOR RATE PURPOSES** **20.38%**

BREAKDOWN OF WATER LOST

| | | |
|----|----------------------|-----------|
| 22 | Tank Overflows | |
| 23 | Excavation Breaks | 0 |
| 24 | Repaired Line Breaks | |
| 25 | Unknown Loss | 7,119,590 |

26 **TOTAL WATER NOT SOLD OR USED** 7,119,590

27 **COST OF WATER NOT SOLD OR USED** \$11,363.89

"UNKNOWN LOSS" FLOW RATE AND COST:

| | | |
|----|------------------------------------------|-------------|
| 28 | "Unknown Loss" | 7,119,590 |
| 29 | % "Unknown Loss" | 20.38% |
| 30 | Number of Days in Period | 31 |
| 31 | "Unknown Loss" per Day (Gallons per Day) | 229,664 |
| 32 | "Unknown Loss" per Minute (GPM) | 159.49 |
| 33 | "Unknown Loss" Cost for Month | \$11,363.89 |

Water Use Report

Water Utility: Western Fleming County Water Dist.

PWSID: KY0910675

For the Month of: September

Year: 2015

| | | | |
|---|------------------------------|--|--------|
| 1 | PRODUCTION COST PER THOUSAND | | \$1.57 |
| 2 | PURCHASE COST PER THOUSAND | | \$1.86 |

GALLONS

| | | | | |
|------------------------------------|-------------------------------------|-------------|-------------|-----|
| WATER PRODUCED or PURCHASED | | | | |
| 3 | Water Produced | \$49,839.98 | 31,745,210 | 91% |
| 4 | Water Purchased | \$5,784.60 | 3,110,000 | 9% |
| 5 | TOTAL PRODUCED AND PURCHASED | | 34,855,210 | |
| 6 | TOTAL COST | | \$55,624.58 | |

WATER SOLD

| | | | |
|----|-----------------------------|-----|------------|
| 7 | Residential | | 7,554,930 |
| 8 | Commercial | | 63,460 |
| 9 | Industrial | | 254,000 |
| 10 | Bulk Loading Stations | | 0 |
| 11 | Wholesale | | 18,677,200 |
| 12 | Other Sales (explain) _____ | n/a | 0 |

| | | | | |
|----|-----------------------------|--|------------|--------|
| 13 | TOTAL WATER SOLD | | 26,549,590 | 76.17% |
| 14 | TOTAL WATER NOT SOLD | | 8,305,620 | 23.83% |

BREAKDOWN OF WATER USAGE

| | | | |
|----|-----------------------------|------------------|-----------|
| 15 | Water Treatment Plant | | 4,919,180 |
| 16 | Wastewater Treatment Plant | | 0 |
| 17 | System Flushing | | 0 |
| 18 | Fire Department Usage | | 0 |
| 19 | Other Usage (explain) _____ | Community Center | 2,000 |

| | | | |
|----|--------------------|--|-----------|
| 20 | TOTAL USAGE | | 4,921,180 |
|----|--------------------|--|-----------|

| | | | |
|----|------------------------------------------------|--|-------|
| 21 | WATER LOSS PERCENTAGE FOR RATE PURPOSES | | 9.71% |
|----|------------------------------------------------|--|-------|

BREAKDOWN OF WATER LOST

| | | | | |
|----|----------------------|--|-----------|-------|
| 22 | Tank Overflows | | 0 | |
| 23 | Excavation Breaks | | 0 | |
| 24 | Repaired Line Breaks | | 0 | |
| 25 | Unknown Loss | | 3,384,440 | 9.71% |

| | | | |
|----|-------------------------------------|--|-----------|
| 26 | TOTAL WATER NOT SOLD OR USED | | 3,384,440 |
|----|-------------------------------------|--|-----------|

| | | | |
|----|---------------------------------------|--|------------|
| 27 | COST OF WATER NOT SOLD OR USED | | \$5,401.15 |
|----|---------------------------------------|--|------------|

"UNKNOWN LOSS" FLOW RATE AND COST:

| | | | |
|----|------------------------------------------|--|------------|
| 28 | "Unknown Loss" | | 3,384,440 |
| 29 | % "Unknown Loss" | | 9.71% |
| 30 | Number of Days in Period | | 30 |
| 31 | "Unknown Loss" per Day (Gallons per Day) | | 112,815 |
| 32 | "Unknown Loss" per Minute (GPM) | | 78.34 |
| 33 | "Unknown Loss" Cost for Month | | \$5,401.15 |

Water Use Report

Water Utility: Western Fleming County Water Dist. PWSID: KY0910675

For the Month of: October Year: 2015

| | | |
|---|------------------------------|--------|
| 1 | PRODUCTION COST PER THOUSAND | \$1.57 |
| 2 | PURCHASE COST PER THOUSAND | \$1.86 |

GALLONS

| WATER PRODUCED or PURCHASED | | | |
|-----------------------------|-------------------------------------|--------------------|--------------------------|
| 3 | Water Produced | \$47,421.50 | 30,204,780 |
| 4 | Water Purchased | \$5,561.40 | 2,990,000 |
| 5 | TOTAL PRODUCED AND PURCHASED | | 33,194,780 |
| 6 | TOTAL COST | \$52,982.80 | |
| WATER SOLD | | | |
| 7 | Residential | | 6,511,229 |
| 8 | Commercial | | 56,020 |
| 9 | Industrial | | 243,900 |
| 10 | Bulk Loading Stations | | 0 |
| 11 | Wholesale | | 15,056,600 |
| 12 | Other Sales (explain) _____ | n/a | |
| 13 | TOTAL WATER SOLD | | 21,867,749 65.88% |
| 14 | TOTAL WATER NOT SOLD | | 11,327,031 34.12% |

BREAKDOWN OF WATER USAGE

| | | |
|----|-----------------------------|------------------|
| 15 | Water Treatment Plant | 3,994,470 |
| 16 | Wastewater Treatment Plant | 0 |
| 17 | System Flushing | 250,000 |
| 18 | Fire Department Usage | |
| 19 | Other Usage (explain) _____ | Community Center |
| 20 | TOTAL USAGE | 4,246,470 |

21 WATER LOSS PERCENTAGE FOR RATE PURPOSES 21.33%

BREAKDOWN OF WATER LOST

| | | |
|----|----------------------|---------------------|
| 22 | Tank Overflows | 0 |
| 23 | Excavation Breaks | 0 |
| 24 | Repaired Line Breaks | 0 |
| 25 | Unknown Loss | 7,080,561 21.33% |

| | | |
|----|---------------------------------------|--------------------|
| 26 | TOTAL WATER NOT SOLD OR USED | 7,080,561 |
| 27 | COST OF WATER NOT SOLD OR USED | \$11,301.44 |

"UNKNOWN LOSS" FLOW RATE AND COST:

| | | |
|----|------------------------------------------|-------------|
| 28 | "Unknown Loss" | 7,080,561 |
| 29 | % "Unknown Loss" | 21.33% |
| 30 | Number of Days in Period | 31 |
| 31 | "Unknown Loss" per Day (Gallons per Day) | 228,405 |
| 32 | "Unknown Loss" per Minute (GPM) | 158.61 |
| 33 | "Unknown Loss" Cost for Month | \$11,301.44 |

Water Use Report

Water Utility:

Western Fleming County Water Dist.

PWSID: **KY0910675**

For the Month of:

November

Year: **2015**

| | | |
|---|------------------------------|--------|
| 1 | PRODUCTION COST PER THOUSAND | \$1.57 |
| 2 | PURCHASE COST PER THOUSAND | \$1.86 |

GALLONS

| WATER PRODUCED or PURCHASED | | | |
|-----------------------------|------------------------------|-------------|-------------------|
| 3 | Water Produced | \$47,957.28 | 30,546,040 90% |
| 4 | Water Purchased | \$6,175.20 | 3,320,000 10% |
| 5 | TOTAL PRODUCED AND PURCHASED | | 33,866,040 |
| 6 | TOTAL COST | | \$54,132.48 |
| WATER SOLD | | | |
| 7 | Residential | | 8,748,703 |
| 8 | Commercial | | 54,910 |
| 9 | Industrial | | 223,300 |
| 10 | Bulk Loading Stations | | 0 |
| 11 | Wholesale | | 15,624,700 |
| 12 | Other Sales (explain) | n/a | 0 |
| 13 | TOTAL WATER SOLD | | 22,651,613 66.89% |
| 14 | TOTAL WATER NOT SOLD | | 11,214,427 33.11% |

BREAKDOWN OF WATER USAGE

| | | | |
|----|----------------------------|-------------------------|-----------|
| 15 | Water Treatment Plant | 3,596,120 | |
| 16 | Wastewater Treatment Plant | 0 | |
| 17 | System Flushing | 1,825,000 | |
| 18 | Fire Department Usage | 2,100 | |
| 19 | Other Usage (explain) | Community Center 10,000 | |
| 20 | TOTAL USAGE | | 5,433,220 |

21 **WATER LOSS PERCENTAGE FOR RATE PURPOSES 17.07%**

BREAKDOWN OF WATER LOST

| | | | |
|----|--------------------------------|------------------|------------|
| 22 | Tank Overflows | 0 | |
| 23 | Excavation Breaks | 0 | |
| 24 | Repaired Line Breaks | 0 | |
| 25 | Unknown Loss | 5,781,207 17.07% | |
| 26 | TOTAL WATER NOT SOLD OR USED | | 5,781,207 |
| 27 | COST OF WATER NOT SOLD OR USED | | \$9,240.85 |

"UNKNOWN LOSS" FLOW RATE AND COST:

| | | |
|----|------------------------------------------|------------|
| 28 | "Unknown Loss" | 5,781,207 |
| 29 | % "Unknown Loss" | 17.07% |
| 30 | Number of Days in Period | 30 |
| 31 | "Unknown Loss" per Day (Gallons per Day) | 192,707 |
| 32 | "Unknown Loss" per Minute (GPM) | 133.82 |
| 33 | "Unknown Loss" Cost for Month | \$9,240.85 |

Water Use Report

Water Utility:

Western Fleming County Water Dist.

PWSID: **KY0910675**

For the Month of:

December

Year: **2015**

| | | |
|---|------------------------------|--------|
| 1 | PRODUCTION COST PER THOUSAND | \$1.57 |
| 2 | PURCHASE COST PER THOUSAND | \$1.86 |

GALLONS

| WATER PRODUCED or PURCHASED | | | |
|-----------------------------|-------------------------------------|--------------------|--------------------------|
| 3 | Water Produced | \$43,276.33 | 27,564,540 |
| 4 | Water Purchased | \$5,468.40 | 2,940,000 |
| 5 | TOTAL PRODUCED AND PURCHASED | | 30,504,540 |
| 6 | TOTAL COST | \$48,744.73 | |
| WATER SOLD | | | |
| 7 | Residential | | 5,973,850 |
| 8 | Commercial | | 54,720 |
| 9 | Industrial | | 196,800 |
| 10 | Bulk Loading Stations | | 0 |
| 11 | Wholesale | | 15,218,100 |
| 12 | Other Sales (explain) _____ n/a | | 0 |
| 13 | TOTAL WATER SOLD | | 21,443,470 70.30% |
| 14 | TOTAL WATER NOT SOLD | | 9,061,070 29.70% |

BREAKDOWN OF WATER USAGE

| | | |
|----|----------------------------------------------|------------------|
| 15 | Water Treatment Plant | 3,114,580 |
| 16 | Wastewater Treatment Plant | 0 |
| 17 | System Flushing | 10,500 |
| 18 | Fire Department Usage | 0 |
| 19 | Other Usage (explain) _____ Community Center | 2,000 |
| 20 | TOTAL USAGE | 3,127,080 |

21 **WATER LOSS PERCENTAGE FOR RATE PURPOSES** **19.45%**

BREAKDOWN OF WATER LOST

| | | |
|----|---------------------------------------|---------------------|
| 22 | Tank Overflows | |
| 23 | Excavation Breaks | 0 |
| 24 | Repaired Line Breaks | 0 |
| 25 | Unknown Loss | 5,933,990 19.45% |
| 26 | TOTAL WATER NOT SOLD OR USED | 5,933,990 |
| 27 | COST OF WATER NOT SOLD OR USED | \$9,482.22 |

"UNKNOWN LOSS" FLOW RATE AND COST:

| | | |
|----|------------------------------------------|------------|
| 28 | "Unknown Loss" | 5,933,990 |
| 29 | % "Unknown Loss" | 19.45% |
| 30 | Number of Days in Period | 31 |
| 31 | "Unknown Loss" per Day (Gallons per Day) | 191,419 |
| 32 | "Unknown Loss" per Minute (GPM) | 132.93 |
| 33 | "Unknown Loss" Cost for Month | \$9,482.22 |

High Total

July 14, 2015

1,262,300

Low Total

April 3 2015

683,170