

**COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION**

In the Matter of:

**ELECTRONIC INVESTIGATION)
INTO THE MEASURING,)
RECORDING, AND REPORTING OF) CASE NO. 2018-00394
WATER LOSS BY KENTUCKY'S)
JURISDICTIONAL WATER)
UTILITIES)**

**RESPONSE OF
WARREN COUNTY WATER DISTRICT
TO
COMMISSION'S REQUEST FOR INFORMATION
DATED DECEMBER 18, 2018**

FILED: January 15, 2019

**COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION**

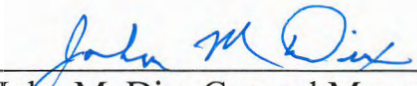
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RECORDING, AND REPORTING OF)	CASE NO. 2018-00394
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JURISDICTIONAL WATER)	
UTILITIES)	

**CERTIFICATION OF RESPONSE OF
WARREN COUNTY WATER DISTRICT
TO
COMMISSION'S REQUEST FOR INFORMATION**

This is to certify that I have supervised the preparation of Warren County Water District's Response to the Commission's Request for Information. The response submitted on behalf of Warren County Water District is true and accurate to the best of my knowledge, information, and belief formed after a reasonable inquiry.

Date: 1/15/19



John M. Dix, General Manager
Warren County Water District

WARREN COUNTY WATER DISTRICT

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 1

Responding Witness: John M. Dix

- Q-1. Explain in detail the manner in which you measure, calculate, and track water loss, and:
- a. Identify whether you use any manual form (including Excel spreadsheet) or electronic or mechanized system to calculate and track water loss.
 - b. Provide a copy of any form used (including Excel spreadsheet).
 - c. Identify the source of any form or system used.
- A-1. Warren County Water District (WCWD) purchases water wholesale from its' supplier, Bowling Green Municipal Utilities (BGMU) and distributes the water into twenty-nine district metered areas (DMAs). Each DMA has a master meter that measures the volume of water supplied into the area. For each DMA, the following information is collected and reported monthly on the WCWD's Statistics by Metering Location Report:
- Water Purchased
 - Water Sold
 - Total Water Lost
 - Own Use Water
 - Accounted for Water
 - Unaccounted for Water
 - PSC Water Loss Percentage

Total Water Lost is calculated as the difference between water purchased and water sold. Own Use Water is the sum of water used for flushing, fire protection, and tank maintenance. Accounted for Water is the sum of water lost and attributed to specific main line leaks, service line leaks, and tank overflows. Unaccounted for Water is calculated as follows: Total Water Lost less Own Use Water less Accounted for Water. PSC Water Loss Percentage is calculated as follows: (Total Water Lost less Own Use Water) divided by Water Purchased.

- Q-1 a. District's spreadsheets for tracking water loss calculation sheet in Excel.
- Q-1 b. See attached Exhibit 1
- Q-1 c. District created form and system.

WARREN COUNTY WATER DISTRICT

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 2

Responding Witness: John M. Dix

- Q-2. Explain in detail your understanding of the information to be provided in each of the categories on the Water Statistics page (reference page 30) of the annual report required of jurisdictional water utilities, accessed through the Commission's website.
- A-2. Water Statistics (reference Page 30)
1. This section includes all water produced and purchased.
 2. Total water produced.
 3. Total water purchased.
 4. Total amount of gallons produced and purchased.
 6. This section represents the Total of water sold to system customers.
 7. Total of water sold to Residential Customers only.
 8. Total of water sold to Commercial Customers only.
 9. Total of water sold to Industrial Customers only.
 10. Total water sold through a Bulk Loading Station.
 11. Total of water resold.
 12. Other water sold not included in lines 7-11.
 13. Total of all Water Sold.
 15. The section represents all Other Water that is Used.
 16. Water used for water treatment purposes.
 17. Water used for wastewater treatment plant purposes.
 18. Estimated water used for flushing.
 19. Estimated water used for Fire Department usage.
 20. Estimated water used for meter testing, weather related events, and other system issues.
 21. Total of water used for Other Usages is totaled here.
 23. Water Loss.
 24. Estimated water lost due to tank overflows.
 25. Estimated water loss due to line breaks.
 26. Estimated water loss due to line leaks.
 27. Other estimated water loss not included on Line 24 through Line 26.
 28. Total estimated water loss.
 32. Water Loss Percentage.
 33. Total Water Loss Percentage as a percentage of Total Water Produced or Purchased.

WARREN COUNTY WATER DISTRICT

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 3

Responding Witness: John M. Dix

- Q-3. State any questions you have regarding how to use the updated Commission Form described and attached as Appendix A to this Order.

- A-3. The District does not have any questions.

WARREN COUNTY WATER DISTRICT

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 4

Responding Witness: John M. Dix

Q-4. State any suggestions or improvements you have for the updated Commission Form described and attached as Appendix A to this Order.

A-4. Warren County Water District suggests that water loss from Excavation Damages (line 26 on Appendix A) resulting from no fault of the utility be allowed to be accounted for in Other Water Used.

The District also suggests that water loss from Theft (line 27 on Appendix A) be allowed to be accounted for in Other Water Used. Water lost through theft is similar water sold but not paid for.

WARREN COUNTY WATER DISTRICT

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 5

Responding Witness: John M. Dix

- Q-5. State any questions you have regarding how the information in the updated Commission Form described and attached as Appendix A to this Order is to be incorporated into annual reports.
- A-5. The District does not have any questions.

WARREN COUNTY WATER DISTRICT

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 6

Responding Witness: John M. Dix

Q-6. State any concerns you have regarding the use of the updated Commission Form described and attached as Appendix A to this Order.

A-6. Warren County Water District understands the desire and need of the Commission to establish standards for reporting water loss from all jurisdictional utilities. The District further acknowledges that water loss is one of *many* evaluation tools that should be used to evaluate the operational efficiency of a utility. There are many facets to water loss beyond leaks that contribute to water loss such as customer and purchase meter accuracy, billing system accuracy, and inherent system losses due to geographical and topographical configuration as noted by the American Water Works Association (AWWA) in its Water Audit Software. The 15% water loss guideline for rate making was arbitrarily established decades ago. Similar to what was established with meter testing through KRS 278.210 Subsection (4), water loss should be evaluated based on what is most cost effective for the utility and its customers in lieu of a fixed 15%. The AWWA Water Audit Software is the closest tool that provides those considerations.

Furthermore, the District contends that the Commission is inappropriately extrapolating the use of the "15%" water loss baseline to a position where it cites utilities for deficiencies such as "*Utility is failing to operate its facilities so as to provide adequate and safe service to its customers as required by 807 KAR 5:066, Section 7, due to water loss exceeding 15 percent.*" (i.e., Simpson County Water District – July 3, 2017 and Butler County Water System, Inc. – March 9, 2018). The District contends that this is clearly not the intent of regulations. Section 6 of 807 KAR 5:066 clearly addresses how water loss is to be utilized by the Commission. Paragraph (3) of this section states "...for rate making purposes a utility's unaccounted-for water loss shall not exceed fifteen (15) percent of total water produced and purchased, excluding water used by a utility in its own operations." **The regulations are very clear that water loss is to be considered for rate cases only.**

WARREN COUNTY WATER DISTRICT

CASE NO. 2018-00394

Response to Commission's Request for Information

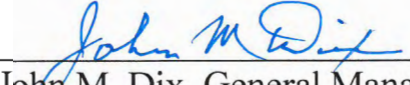
Question No. 7

Responding Witness: John M. Dix

- Q-7. State whether you believe it is reasonable, proper, and appropriate for the Commission to require jurisdictional water utilities to maintain and use the updated Commission Form described and attached as Appendix A to this Order. Fully explain your answer
- A-7. Warren County Water District believes it is reasonable, proper, and appropriate for the Commission to establish standards for water loss reporting and require utilities to use and maintain the standard reporting method. The District has suggested modifications to the proposed methodology suggested by the Commission in its responses to Questions 4 and 6 herein.

CERTIFICATE OF SERVICE

In accordance with 807 KAR 5:001, Section 8, I certify that Warren County Water District's electronic filing of this Response is a true and accurate copy of the same document being filed in paper medium; that the electronic filing was transmitted to the Public Service Commission on January 15, 2019; that there are currently no parties that the Public Service Commission has excused from participation by electronic means in this proceeding; and that an original paper medium of this Response will be delivered to the Public Service Commission within two business days.



John M. Dix, General Manager
Warren County Water District

EXHIBIT 1

WARREN COUNTY WATER DISTRICT
 Statistics by Metering Location
 For Reporting Period Of: **December 2017**

Report Status: **FINAL**
 Date: **3/24/2018**

Code	Master Meter Source Description	Billing Cycle	Leak Detection		Read Dates		Water Purchased (Gals)		Water Sold (Gals)		Total Lost (Gals)		Own Use (Gals)		Accounted For (Gals)		Unaccounted For (Gals)		PSC %		MM Source			
			Date	Leaks(Mo)	Leaks(Yr)	From	To	Month	Year	Month	Year	Month	Year	Month	Year	Month	Year	Month	Year	Month		Year		
1	BG North	2	11/04/13	N/A	N/A	10/20/17	11/20/17	1,453,000	20,088,000	1,273,450	14,426,750	179,550	5,661,250	-	5,670	-	100,800	179,550	5,554,780	12.4%	27.7%	12.4%	28.2%	BG North KV
2	Kelly Vance	2	02/15/17	N/A	N/A	10/18/17	11/20/17	20,724,000	273,361,000	19,130,830	252,604,270	1,593,170	20,756,730	1,305,100	1,988,976	201,600	9,559,440	86,470	9,208,314	0.4%	3.4%	1.4%	6.9%	Porter Pike
2A	Porter Pike	2	03/31/17	N/A	N/A	10/20/17	11/21/17	7,640,000	87,120,000	6,839,700	88,638,740	2,054,300	18,481,260	6,000	270,422	2,740,320	9,061,920	(691,940)	9,148,918	-9.1%	10.5%	26.8%	20.9%	Mizpah
3	Mizpah	2	02/10/17	N/A	N/A	10/23/17	11/21/17	14,980,000	173,198,000	13,595,010	148,987,500	1,384,990	24,210,500	-	333,370	108,480	3,937,440	1,276,510	19,939,690	8.5%	11.5%	9.2%	13.8%	Detour
5	Detour Road	2	07/17/17	N/A	N/A	10/23/17	11/22/17	5,557,000	75,204,320	3,808,970	49,522,970	1,748,030	25,681,350	53,200	763,909	767,520	16,253,820	927,310	8,663,621	16.7%	11.5%	30.5%	33.1%	Girken
6	Girken	2	04/14/15	N/A	N/A	10/24/17	11/25/17	2,036,000	24,324,000	1,822,010	21,646,290	213,990	2,677,710	-	354,409	43,200	771,600	1,552,061	8.4%	6.4%	10.5%	9.6%	Richard	
7	Richardsville	4	12/01/17	N/A	N/A	10/24/17	11/27/17	3,886,100	43,014,080	3,270,090	35,273,730	616,010	7,740,350	5,000	906,736	-	2,851,045	611,010	3,982,569	15.7%	9.3%	15.7%	15.9%	Ben Leo
7A	Ben Leo	4	02/16/16	N/A	N/A	10/25/17	11/27/17	1,617,100	19,582,500	1,446,990	17,337,440	170,110	2,245,060	91,800	317,282	498,800	933,888	(418,490)	993,890	-25.9%	5.1%	4.8%	9.8%	Smith Grv
8	Sandhill	4	05/08/14	N/A	N/A	10/25/17	11/27/17	2,890,000	36,453,100	2,716,540	31,970,990	173,360	4,482,110	-	7,670	-	1,346,400	173,360	3,128,040	6.0%	8.6%	6.0%	12.3%	Oakland
9	Smith's Grove	4	12/15/16	N/A	N/A	10/26/17	11/29/17	2,384,000	28,749,000	2,237,830	24,471,990	146,170	4,277,010	-	162,956	-	1,163,940	146,170	2,950,114	6.1%	10.3%	6.1%	14.3%	Hays
9A	Oakland	6	05/02/16	N/A	N/A	10/26/17	11/29/17	6,542,900	76,497,000	5,705,580	64,916,220	837,320	11,580,780	-	378,192	123,840	3,664,000	713,480	7,538,508	10.9%	9.9%	12.8%	14.6%	Barren Co
10	Hays	6	05/27/15	N/A	N/A	10/27/17	11/30/17	5,652,100	65,431,000	4,839,260	57,187,990	812,840	8,243,010	7,460	271,914	180,000	2,707,920	625,380	5,263,176	11.1%	8.0%	14.2%	12.2%	Cemetery
11	Barren County	6	05/22/15	N/A	N/A	10/27/17	11/30/17	1,258,000	15,469,000	1,115,890	13,237,090	142,110	2,231,910	-	113,286	-	884,340	142,110	1,234,284	11.3%	8.0%	11.3%	13.7%	Barrington Manor
11S	Cemetery Road	8	08/07/09	N/A	N/A	10/28/17	12/01/17	7,687,000	84,809,413	4,004,810	52,246,150	3,682,190	32,563,263	-	738,243	-	604,560	3,682,190	31,220,460	47.9%	36.8%	47.9%	37.5%	Drakes Cr
11T	Barrington Manor	8	n/a	N/A	N/A	10/30/17	12/01/17	3,702,400	58,093,700	3,482,590	55,627,290	219,810	2,466,410	-	114,545	-	630,000	219,810	1,721,865	5.9%	3.0%	5.9%	4.0%	Blugrass
11U	Drakes Creek	8	03/10/17	N/A	N/A	10/30/17	12/02/17	7,865,500	102,220,200	6,287,350	86,297,350	1,578,150	15,922,850	24,000	339,106	1,022,400	9,256,200	531,750	6,327,544	6.8%	6.2%	19.8%	15.2%	Bugrass
12	Bluegrass	8	02/25/17	N/A	N/A	11/02/17	12/04/17	12,821,000	167,093,000	11,330,480	144,551,230	1,490,520	22,541,770	2,670	73,733	-	3,568,200	1,487,850	18,899,837	11.6%	11.3%	11.6%	13.4%	Plano
13	Plano	8	05/10/16	N/A	N/A	11/02/17	12/05/17	11,334,000	142,809,000	9,307,670	127,570,060	2,026,330	15,238,940	65,812	429,875	320,400	4,644,240	1,640,118	10,164,825	14.5%	7.1%	17.3%	10.4%	S Alvaton
15	South Alvaton	10	04/28/06	N/A	N/A	11/03/17	12/04/17	4,804,000	57,589,000	4,482,910	52,517,200	321,090	5,071,800	-	39,615	-	708,576	321,090	4,323,609	6.7%	7.5%	6.7%	8.7%	Boyce
16	Boyce	10	04/28/15	N/A	N/A	11/03/17	12/06/17	3,442,000	40,642,000	3,170,360	38,454,660	271,640	2,187,340	-	-	-	839,520	271,640	1,347,820	7.9%	3.3%	7.9%	5.4%	Hwy 240
17	Highway 240	10	04/18/12	N/A	N/A	11/03/17	12/06/17	1,222,000	16,727,000	1,141,690	16,493,770	80,310	233,230	1,000	73,787	-	79,310	159,443	6.5%	1.0%	6.5%	1.0%	Three Sprng	
17A	Three Springs	12	03/01/09	N/A	N/A	11/06/17	12/07/17	23,990,000	326,557,000	23,486,200	313,296,200	503,800	13,260,800	27,800	2,718,644	-	3,450,360	7,091,796	2.0%	2.2%	2.0%	3.2%	Nashville Rd	
18	Nashville Road	12	03/08/17	N/A	N/A	11/08/17	12/09/17	40,414,000	479,342,000	37,005,200	442,581,700	3,408,800	36,760,300	-	210,397	-	6,475,920	3,408,800	30,073,983	8.4%	6.3%	8.4%	7.6%	Old 31W
19	Old Hwy 31W South	12	02/15/15	N/A	N/A	11/08/17	12/11/17	6,526,000	81,120,000	5,889,480	71,012,400	636,520	10,107,600	-	423,931	43,200	1,417,200	593,320	8,266,469	9.1%	10.2%	9.8%	11.9%	McElwain
19A	McElwain	12	01/25/15	N/A	N/A	11/08/17	12/09/17	6,677,600	37,247,400	1,940,840	29,366,700	736,760	7,880,700	-	60,448	-	3,308,400	736,760	4,511,852	27.5%	12.1%	27.5%	21.0%	Grider Pd
20	Grider Pond	12	05/17/16	N/A	N/A	11/13/17	12/12/17	7,068,000	84,131,000	5,782,650	74,747,240	1,285,350	9,383,760	30,250	57,110	926,580	3,800,820	328,520	5,525,830	4.6%	6.6%	17.8%	11.1%	Hwy 68W
21	Highway 68 West	14	04/10/15	N/A	N/A	11/13/17	12/13/17	7,268,000	88,368,000	6,110,850	77,642,060	1,157,150	10,723,940	17,600	336,322	734,700	3,837,840	404,850	6,549,778	5.6%	7.4%	15.7%	11.8%	Rockfield
22	Rockfield	14	02/05/14	N/A	N/A	11/13/17	12/13/17	3,533,000	49,161,800	3,210,310	41,625,650	322,690	7,535,950	21,300	30,418	-	3,756,960	301,390	6,748,572	8.5%	7.8%	8.5%	15.3%	Fuqua
23	Fuqua Road	14	02/05/14	N/A	N/A	11/14/17	12/14/17	2,899,000	36,587,000	2,187,180	29,715,450	711,820	8,871,550	111,100	392,670	-	2,641,920	600,720	5,836,960	20.7%	15.1%	20.7%	22.0%	Hwy 231N
24	Highway 231 North	16	06/06/06	N/A	N/A	11/15/17	12/14/17	6,324,000	86,122,000	5,898,200	80,556,520	425,800	5,565,480	-	24,970	-	108,000	425,800	5,432,510	6.7%	6.3%	6.7%	6.4%	Mtown #1
24A	Morgantown Road #1	16	01/12/16	N/A	N/A	11/15/17	12/15/17	3,271,000	41,376,000	2,233,840	30,023,760	1,037,160	11,352,240	-	39,050	14,400	1,005,480	1,022,760	10,307,710	31.3%	24.9%	31.7%	27.3%	Mtown #2
25	Morgantown Road #2	16	02/25/05	N/A	N/A	11/16/17	12/15/17	3,006,000	36,796,000	2,009,180	27,821,500	996,820	8,974,500	-	250,740	-	1,029,037	996,820	7,694,723	33.2%	20.9%	33.2%	23.7%	Hedley
26	Hedley	16	08/10/12	N/A	N/A	11/16/17	12/16/17	2,041,000	26,798,700	1,709,810	20,132,440	331,190	6,666,260	-	249,945	-	1,638,722	331,190	4,777,593	16.2%	17.8%	16.2%	23.9%	Beech Bend
28	Beech Bend Road	16	07/20/06	N/A	N/A	11/17/17	12/19/17	352,100	6,374,800	314,370	5,908,810	37,730	465,990	-	43,800	-	-	37,730	422,190	10.7%	6.6%	10.7%	6.6%	Briggs Hill
29	Briggs Hill	16	12/29/11	N/A	N/A	11/16/17	12/18/17	4,581,000	54,482,000	3,851,110	47,256,440	729,890	7,225,560	-	125,400	-	2,252,160	729,890	4,848,000	15.9%	8.9%	15.9%	13.0%	Totals
	Totals							243,448,800	3,044,935,813	211,385,250	2,665,666,550	32,063,550	379,269,263	1,770,092	12,647,181	7,723,440	108,210,748	22,570,018	258,411,334					
	% of Water Purchased							100.0%	100.0%	86.8%	87.5%	13.2%	12.5%	0.73%	0.42%	3.2%	3.6%	9.3%	8.5%	9.3%	8.5%	12.4%	12.0%	
	Breakdown by Section:																							
	(1) Northside	2 - 6						76,620,200	938,491,000	66,548,170	800,221,970	10,072,030	138,269,030	1,468,560	5,874,432	4,661,760	53,236,633	3,941,710	79,157,965	5.1%	8.4%	11.2%	14.1%	N. Side
	(2) Westside	8 - 16						166,828,600	2,106,444,813	144,837,080	1,865,444,580	21,991,520	241,000,233	301,532	6,772,749	3,061,680	54,974,115	18,628,308	179,253,369	11.2%	8.5%	13.0%	11.1%	W. Side
	Totals	All						243,448,800	3,044,935,813	211,385,250	2,665,666,550	32,063,550	379,269,263	1,770,092	12,647,181	7,723,440	108,210,748	22,570,018	258,411,334	9.3%	8.5%	12.4%	12.0%	Total

WARREN COUNTY WATER DISTRICT
 Input - Statistics By Metering Locations
 For Year 2017

S:\LEAK DETECTION\Water Loss Reports\WCWD Water Loss\WCWD Water Loss - Prior Years\WCWD Water Loss 2017 \INPUT
 1/8/2019 at 11:37 AM

ENTER Master Meter Readings (SCADA):

	Multiplier	Dec-16	Jan-17	Usage	Feb-17	Usage	Mar-17	Usage	Apr-17	Usage	May-17	Usage	Jun-17	Usage	Jul-17	Usage
1 BG North #1 @ BGMU WTP	1000			43,873,000		56,123,000		35,324,000		46,339,000		40,788,000		42,802,000		54,563,000
Kelly Vance	-1000	3028689	3028689	(42,426,000)		(53,992,000)		(33,961,000)		(44,471,000)		(39,161,000)		(41,224,000)		(52,750,000)
2 Kelly Vance	1000	3027186	3027186	43,929,000		52,593,000		33,874,000		43,106,000		40,828,000		40,561,000		52,762,000
Detour Road \ Tanglewood	-1000	2282478	2282478	(9,694,000)		(12,319,000)		(8,835,000)		(10,999,000)		(9,821,000)		(9,873,000)		(12,869,000)
Girken	-1000	1153594	1153594	(4,455,000)		(6,212,000)		(3,966,000)		(4,911,000)		(4,695,000)		(4,693,000)		(5,894,000)
Porter Pike	-1000	634877	634877	(5,917,000)		(8,628,000)		(5,668,000)		(7,159,000)		(6,717,000)		(6,234,000)		(8,151,000)
Plum Springs	1000	180	180	-		119,000		1,224,000		547,000		458,000		353,000		759,000
FSTV	1000	108614	108614	-		4,000		1,000		6,000		4,000		13,000		29,000
FSTP	-1000			-		-		-		-		-		-		-
X BG North #2 @ BGMU WTP	1000	987424	1012116	24,692,000	1043090	30,974,000	1072354	29,264,000	1100278	27,924,000	1129796	29,518,000	1159188	29,392,000	1195018	35,830,000
Mizpah (Prev Firestone)	-1000	5481632	5505907	(24,275,000)	5536357	(30,450,000)	5565134	(28,777,000)	5592572	(27,438,000)	5621579	(29,007,000)	5650465	(28,886,000)	5685655	(35,190,000)
2A Porter Pike	1000			6,146,000		7,959,000		6,511,000		6,314,000		6,719,000		6,515,000		7,874,000
3 Mizpah (Prev Firestone)	1000	5481632	5481632	24,275,000		30,450,000		28,777,000		27,438,000		29,007,000		28,886,000		35,190,000
Oakland 1	-1000	903529	903529	(9,026,000)		(12,185,000)		(10,313,000)		(10,325,000)		(10,372,000)		(11,021,000)		(13,598,000)
Oakland 2	-1000	183935	183935	(3,257,000)		(4,064,000)		(3,415,000)		(3,454,000)		(3,522,000)		(3,703,000)		(4,620,000)
Plum Springs	-1000	180	180	-		(122,000)		(1,315,000)		(484,000)		(440,000)		(432,000)		(766,000)
FSTV	-1000	108614	108614	-		(4,000)		(1,000)		(7,000)		(3,000)		(13,000)		(29,000)
FSTP	1000	3030	3030	-		-		-		-		-		-		-
5 Detour Road \ Tanglewood	1000	2283910	2283910	9,681,000		11,928,000		9,433,000		10,355,000		10,496,000		10,020,000		12,375,000
Richardsville	-1000	1418884	1418884	(4,974,000)		(5,648,000)		(4,158,000)		(4,871,000)		(4,729,000)		(4,803,000)		(5,540,000)
6 Girken	1000	1154368	1154368	4,733,000		5,763,000		4,426,000		4,449,000		4,355,000		5,312,000		5,681,000
Sand Hill South	-1000	900004	900004	(3,097,000)		(3,805,000)		(2,623,000)		(2,790,000)		(2,689,000)		(3,139,000)		(3,565,000)
7 Richardsville	1000	1419424	1419424	4,799,000		5,448,000		4,314,000		5,136,000		4,143,000		4,953,000		6,070,000
Ben Leo	-100	3183707	3183707	(1,367,100)		(1,648,000)		(1,500,500)		(1,623,800)		(1,249,100)		(1,521,000)		(2,038,400)
Jack Simmons Road	100	2572	2572	-		-		-		-		-		-		-
Anna	-100	57305	57305	(37,800)		-		-		(1,500)		-		(2,500)		-
Mt Zion Road	-1000	41	41	-		41		-		-		-		-		41
7A Ben Leo	100	3183707	3183707	1,434,400		1,780,700		1,500,500		1,623,800		1,249,100		1,571,000		2,038,400
Mt Zion Road	1000	41	41	-		-		-		-		-		-		-
8 Sandhill South	1000	600223	600223	3,558,000		3,212,000		2,734,000		2,969,000		2,667,000		3,001,000		3,775,000
Jack Simmons Road	-100	2572	2572	-		-		-		-		-		-		-
Anna	100	57305	57305	37,800		-		1,600		1,600		-		2,500		-
9 Smiths Grove	1000	531599	531599	2,846,000		1,992,000		2,041,000		2,209,000		2,144,000		2,402,000		3,171,000
9A Oakland 1	1000	905786	905786	10,963,000		10,552,000		11,048,000		10,313,000		10,001,000		11,175,000		14,134,000
Oakland 2	1000	184682	184682	3,649,000		3,504,000		3,667,000		3,464,000		3,379,000		3,770,000		4,824,000
Hays	-1000	1272816	1272816	(6,008,000)		(6,396,000)		(6,298,000)		(5,782,000)		(5,570,000)		(6,333,000)		(8,159,000)
Smiths Grove	-1000	531785	531785	(2,742,000)		(1,879,000)		(2,179,000)		(2,066,000)		(2,080,000)		(2,475,000)		(3,191,000)
Three Forks	100	1398	1398	400		-		-		300		800		7,000		-
10 Hays	1000	1272816	1272816	6,283,000		6,321,000		6,090,000		5,792,000		5,790,000		6,319,000		8,206,000
Barren County	-1000	321266	321266	(1,205,000)		(1,183,000)		(1,189,000)		(1,153,000)		(1,056,000)		(1,207,000)		(1,639,000)
Hwy 1297MM	100	25976	25976	-		-		-		-		-		-		-
Three Forks	-100	1398	1398	(400)		-		-		-		-		(1,100)		-
11 Barren County	1000	321302	321302	1,169,000		1,183,000		1,229,000		1,154,000		1,060,000		1,162,000		1,639,000
Barren County \ Glasgow	1000			-		-		-		-		-		-		-
X Cemetery Road @ BGMU WTP	10000	5170956	5300696	1,297,400,000	5447807	1,471,110,000	5584446	1,366,390,000	5713587	1,291,410,000	5852103	1,485,160,000	6011215	1,491,120,000	6189106	1,778,910,000
Cemetery Road 24"	-10000	4965414	4978456	(130,420,000)	4993204	(147,480,000)	5006889	(134,850,000)	5019405	(127,160,000)	5033876	(144,710,000)	5048385	(145,090,000)	5065617	(172,320,000)
Cemetery Road 6"	1000	18546	18571	25,000	18597	26,000	18624	27,000	18655	31,000	18877	22,000	18901	24,000	18933	32,000
11S Cemetery Road 24"	10000			130,420,000		147,480,000		134,850,000		127,160,000		144,710,000		145,090,000		172,320,000
Cemetery Road 6"	-10000	18546	18571	(25,000)		(26,000)		(27,000)		(31,000)		(22,000)		(24,000)		(32,000)
Three Springs (Prev Greenwood #2)	-10000	9400292	9419966	(77,498,000)		(88,578,000)		(84,598,000)		(79,615,000)		(88,986,000)		(89,353,000)		(105,420,000)
Greenwood Road #1 @ PS	-10000	8177237	8177237	(31,193,000)		(34,539,000)		(30,016,000)		(28,644,000)		(33,774,000)		(33,931,000)		(39,697,000)
Drakes Creek	-10000			(13,453,000)		(15,199,000)		(13,972,000)		(13,399,000)		(16,021,000)		(16,630,000)		(21,327,000)

WARREN COUNTY WATER DISTRICT

Input - Statistics By Metering Locations For Year 2017

Table with columns for location, metering location, and various numerical values representing water loss statistics. Includes entries for Lovess Ln X 1000 (6''), Lovess Ln X 100 (2" is off), 11T Barrington Manor, 11U Drakes Creek, 12 Bluegrass \ Greenwood #1 at PS, 13 Plane, 15 South Alvaton, 16 Boyce, 17 Highway 240, 17A Three Springs (Prev Greenwood #2), 18 Nashville Road, 19 Old Highway 31W South, 19A Woodburn, 20 Grider Pond, 21 Highway 68 West, 22 Rockfield, 23 Fuqua Road, 24 Highway 231, 24A Morgantown Road #1, and 25 Morgantown Road #2.

WARREN COUNTY WATER DISTRICT
Input - Statistics By Metering Locations
For Year 2017

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	1000	24715	24715	-	24715	-	24715	-	24715	-	24715	-	24715	-	24715	-	24715
Hadley Cohron 4*(Changed on 6/6/12)	1000	24715	24715	-	24715	-	24715	-	24715	-	24715	-	24715	-	24715	-	24715
26 Hadley	1000	178916	181404	2,538,000	183149	1,736,000	195278	2,029,000	187253	2,031,000	148157	1,907,000	191628	2,369,000	184128	2,596,000	
Hadley Cohron 4*(Changed on 6/6/12)	-1000	24715	24715	-	24715	-	24715	-	24715	-	24715	-	24715	-	24715	-	24715
Butler Co. Line	-100	353987	353987	-	353987	-	353987	-	353987	-	353987	-	353987	-	353987	-	353987
28 Beech Bend Road 2"	100	822378	822378	396,200	822378	315,700	822378	303,900	822378	376,800	822378	369,400	822378	537,000	822378	470,100	
Beech Bend 6"	1000	13960	13960	1,000	13960	1,000	13960	1,000	13960	1,000	13960	1,000	13960	5,000	13960	17,000	
29 Briggs Hill	1000	673068	673068	5,185,000	673068	3,749,000	673068	4,262,000	673068	3,472,000	673068	3,706,000	673068	4,680,000	673068	5,123,000	
Bill Dedmon Road	-1000	76390	76390	-	76390	-	76390	-	76390	-	76390	-	76390	-	76390	-	76390
Barren River Road	1000	134784	134784	19,000	134784	18,000	134784	25,000	134784	38,000	134784	27,000	134784	45,000	134784	36,000	
TOTAL - Master Meter Readings				239,095,500		231,823,000		226,471,300		225,964,300		221,995,300		249,378,100		292,648,200	

ENTER - Reading Adjustments (Gals):

	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17
1 BG North #1 @ BGMU WTP	-	-	-	-	-	-	-
2 Kelly Vance	-	-	-	-	720,000	530,000	-
X BG North #2 @ BGMU WTP	-	-	-	-	-	-	-
2A Porter Pike	-	-	-	-	-	-	-
3 Firestone \ Mizpah	-	-	-	-	(720,000)	(530,000)	-
5 Delour Road	-	-	-	-	-	-	-
6 Girken	-	-	-	-	-	-	-
7 Richardsville	-	-	-	-	-	-	-
7A Ben Leo	-	-	-	-	-	-	-
8 Sandhill	-	-	-	-	-	-	-
9 Smith's Grove	-	-	-	-	-	-	-
9A Oakland	-	-	-	-	-	-	-
10 Hays	-	-	-	-	-	-	-
11 Barren County	-	-	-	-	-	-	-
X Cemetery Road @ WTP	-	-	-	-	-	-	-
11S Cemetery Road	Cem Rd MM Drift	(2,383,000)	Cem Rd MM Drift	(2,470,000)	-	-	-
11T Barrington Manor	-	-	-	-	-	-	-
11U Drakes Creek	-	-	-	-	-	-	-
12 Bluegrass	-	-	-	-	-	-	-
13 Plano	-	-	-	-	-	-	-
15 South Alvaton	-	-	-	-	-	-	-
16 Boyce	-	-	-	-	-	-	-
17 Highway 240	-	-	-	-	-	-	-
17A Three Springs	-	-	-	(2,700,000)	-	-	-
18 Nashville Road	-	-	-	2,700,000	-	-	-
19 Old Highway 31W South	-	-	-	-	-	-	-
19A Woodburn	-	-	-	-	-	-	-
20 Grider Pond	-	-	-	-	-	-	-
21 Highway 68 West	-	-	-	-	-	-	-
22 Rockfield	-	-	-	-	-	-	-
23 Fuqua Road	-	-	-	-	-	-	-
24 Highway 231 North	-	-	-	-	-	-	-
24A Morgantown Road #1	-	-	-	-	-	-	-
25 Morgantown Road #2	-	-	-	-	-	-	-
26 Hadley	-	-	-	-	-	-	-
28 Beech Bend Road	-	-	-	-	-	-	-
29 Briggs Hill	-	-	-	-	-	-	-
TOTAL - Reading Adjustments	(2,383,000)	(2,470,000)	-	-	-	-	-

WARREN COUNTY WATER DISTRICT
 Input - Statistics By Metering Locations
 For Year 2017

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CALCULATION - Water Purchased (Gals):

		Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17
1	BG North #1 @ BGMU WTP	N. Side	1,447,000	2,131,000	1,363,000	1,868,000	1,627,000	1,578,000
2	Kelly Vance	N. Side	23,863,000	25,557,000	16,630,000	20,590,000	20,777,000	20,657,000
X	BG North #2 @ BGMU WTP	N. Side	417,000	524,000	487,000	486,000	511,000	640,000
2A	Porter Pike	N. Side	6,146,000	7,959,000	6,511,000	6,314,000	6,719,000	7,874,000
3	Firestone \ Mizpah	N. Side	11,192,000	14,070,000	13,733,000	13,100,000	12,900,000	13,117,000
5	Detour Road	N. Side	4,707,000	6,280,000	5,275,000	5,484,000	5,767,000	6,835,000
6	Girken	N. Side	1,636,000	1,958,000	1,803,000	1,659,000	1,666,000	2,173,000
7	Richardsville	N. Side	3,394,100	3,600,000	2,813,500	3,510,600	2,893,900	3,379,500
7A	Ben Leo	N. Side	1,434,400	1,780,700	1,500,500	1,623,800	1,249,100	1,571,000
8	Sandhill	N. Side	3,595,800	3,212,000	2,734,000	2,970,600	2,667,000	3,003,500
9	Smith's Grove	N. Side	2,846,000	1,992,000	2,041,000	2,209,000	2,144,000	2,402,000
9A	Oakland	N. Side	5,862,400	5,679,000	6,248,000	5,919,300	5,730,800	6,144,000
10	Hays	N. Side	5,077,600	5,138,000	4,901,000	4,639,000	4,732,900	5,105,000
11	Barren County	N. Side	1,169,000	1,183,000	1,229,000	1,154,000	1,060,000	1,162,000
X	Cemetery Road @ BGMU	W. Side	1,167,005,000	1,323,656,000	1,231,567,000	1,164,281,000	1,340,672,000	1,346,054,000
11S	Cemetery Road	W. Side	5,868,000	6,669,000	6,247,000	5,471,000	5,748,000	5,844,000
11T	Barrington Manor	W. Side	2,830,800	2,910,500	2,000,000	2,000,000	2,013,000	2,000,000
11U	Drakes Creek	W. Side	6,845,200	7,474,100	7,336,400	7,598,400	6,825,000	7,712,700
12	Bluegrass	W. Side	14,005,000	12,008,000	13,269,000	11,587,000	12,251,000	13,398,000
13	Plano	W. Side	9,437,000	10,135,000	9,880,000	9,054,000	8,811,000	13,423,000
15	South Alvalton	W. Side	4,702,000	3,846,000	4,114,000	4,558,000	4,262,000	4,622,000
16	Boyce	W. Side	3,181,000	2,839,000	3,283,000	3,021,000	2,944,000	3,691,000
17	Highway 240	W. Side	1,122,000	1,004,000	1,175,000	1,096,000	1,078,000	1,481,000
17A	Three Springs	W. Side	26,447,000	21,967,000	23,180,000	27,519,000	23,352,000	27,245,000
18	Nashville Road	W. Side	34,329,000	34,589,000	38,698,000	36,016,000	35,317,000	40,634,000
19	Old Highway 31W South	W. Side	6,508,000	5,554,000	6,769,000	6,005,000	5,787,000	7,425,000
19A	Woodburn	W. Side	3,891,000	2,638,000	2,802,000	2,381,000	2,598,400	2,902,100
20	Gnider Pond	W. Side	7,243,000	5,498,000	6,452,000	5,715,000	6,188,000	7,513,000
21	Highway 68 West	W. Side	7,290,000	6,309,000	7,264,000	5,966,000	6,722,000	8,065,000
22	Rockfield	W. Side	4,604,000	4,544,000	3,996,000	4,033,000	4,516,000	4,125,000
23	Fuqua Road	W. Side	3,016,000	3,110,000	2,669,000	3,022,000	2,807,000	3,555,000
24	Highway 231 North	W. Side	7,783,000	6,370,000	7,382,000	6,987,000	6,234,000	7,688,000
24A	Morgantown Road #1	W. Side	3,913,000	3,072,000	3,348,000	3,405,000	3,058,000	3,041,000
25	Morgantown Road #2	W. Side	3,188,000	2,453,000	2,549,000	2,812,000	2,629,000	3,312,000
26	Hadley	W. Side	2,538,000	1,736,000	2,029,000	2,031,000	1,907,000	2,369,000
28	Beech Bend Road	W. Side	397,200	315,700	304,900	376,800	370,400	542,000
29	Briggs Hill	W. Side	5,204,000	3,767,000	4,287,000	3,510,000	3,733,000	4,725,000
TOTAL - Water Purchased (Northside & Westside)			238,712,500	229,353,000	226,471,300	225,962,400	221,995,300	249,373,100
			OK	OK	OK	OK	OK	OK

WARREN COUNTY WATER DISTRICT
Input - Statistics By Metering Locations
For Year 2017

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11T Barrington Manor	2,629,870	2,778,470	2,914,780	2,644,050	3,085,230	3,478,780	3,185,490
11U Drakes Creek	5,759,650	6,013,810	5,278,520	5,961,440	5,946,500	6,909,780	10,280,980
12 Bluegrass	10,972,680	9,799,540	11,203,590	10,395,140	10,452,890	12,207,410	14,432,260
13 Plano	8,408,920	8,159,080	8,918,650	8,095,480	8,441,910	11,940,360	12,678,160
15 South Alvaton	4,378,220	3,515,990	3,680,850	3,999,060	3,805,920	4,337,850	4,868,220
16 Boyce	3,033,390	2,621,210	3,115,830	2,780,840	2,858,190	3,670,900	3,700,850
17 Highway 240	1,162,970	995,050	1,113,790	1,057,220	1,018,250	1,394,590	1,827,930
17A Three Springs	24,045,280	20,492,790	22,213,230	24,489,440	22,541,190	27,139,290	31,298,920
18 Nashville Road	30,829,710	30,729,770	37,329,620	32,778,830	32,437,250	37,569,600	42,824,720
19 Old Highway 31W South	5,442,410	4,621,010	5,893,310	5,093,100	5,115,650	6,553,010	6,948,130
19A Woodburn	2,585,240	1,828,380	2,092,610	1,978,620	2,222,410	2,803,640	2,845,980
20 Grider Pond	6,869,820	5,929,170	5,897,710	5,003,350	5,480,070	6,885,410	6,551,010
21 Highway 68 West	6,179,710	5,601,880	6,417,750	5,401,910	6,005,050	7,410,830	6,792,150
22 Rockfield	3,478,320	3,215,300	3,049,440	3,043,700	3,473,620	3,725,290	3,741,180
23 Fuqua Road	2,522,310	2,589,040	2,395,720	2,538,330	2,143,310	2,736,470	2,720,010
24 Highway 231 North	7,325,630	5,999,630	6,996,220	6,678,740	5,848,760	6,864,600	6,836,340
24A Morgantown Road #1	2,453,080	1,986,370	2,237,800	2,375,830	2,337,430	2,719,340	2,785,430
25 Morgantown Road #2	2,473,480	1,907,000	1,928,610	2,194,520	2,070,580	2,650,930	2,785,870
26 Hadley	1,891,450	1,273,830	1,527,520	1,571,000	1,565,330	1,769,930	2,158,570
28 Beech Bend Road	358,910	252,010	276,790	310,440	343,150	470,470	499,490
29 Briggs Hill	3,621,890	2,774,630	3,636,820	3,240,290	3,436,580	4,616,000	4,720,470
TOTALS - Water Sold	193,862,610	190,170,720	196,677,490	196,995,960	195,729,800	228,379,130	264,314,930

ENTER Leak Detection Dates & No. of Leaks Found By Leak Detection:

	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17
	Read Date	# of Leaks	Read Date	# of Leaks	Read Date	# of Leaks	Read Date
1 BG North #1 @ BGMU WTP	11/04/13	N/A	11/04/13	N/A	11/04/13	N/A	11/04/13
2 Kelly Vance	03/09/16	N/A	03/09/16	N/A	03/09/16	N/A	03/09/16
X BG North #2 @ BGMU WTP							
2A Porter Pike	03/31/16	N/A	03/31/16	N/A	03/31/16	N/A	03/31/16
3 Firestone \ Mizpah	02/10/16	N/A	02/10/16	N/A	02/10/16	N/A	02/10/16
5 Delour Road	12/23/16	N/A	12/23/16	N/A	04/03/17	N/A	04/03/17
6 Girken	04/14/15	N/A	04/14/15	N/A	04/14/15	N/A	04/14/15
7 Richardsville	12/01/14	N/A	12/01/14	N/A	12/01/14	N/A	12/01/14
7A Ben Leo	02/16/16	N/A	02/16/16	N/A	02/16/16	N/A	02/16/16
8 Sandhill	05/08/14	N/A	05/08/14	N/A	05/08/14	N/A	05/08/14
9 Smith's Grove	12/15/16	N/A	12/15/16	N/A	12/15/16	N/A	12/15/16
9A Oakland	05/02/16	N/A	05/02/16	N/A	05/02/16	N/A	05/02/16
10 Hays	05/27/15	N/A	05/27/15	N/A	05/27/15	N/A	05/27/15
11 Barren County	05/22/15	N/A	05/22/15	N/A	05/22/15	N/A	05/22/15
X Cemetery Road @ BGMU							
11S Cemetery Road	08/07/09	N/A	08/07/09	N/A	08/07/09	N/A	08/07/09
11T Barrington Manor	n/a	N/A	n/a	N/A	n/a	N/A	n/a
11U Drakes Creek	05/29/15	N/A	05/29/15	N/A	03/10/17	N/A	03/10/17
12 Bluegrass	01/29/16	N/A	01/29/16	N/A	02/25/17	N/A	02/25/17
13 Plano	05/10/06	N/A	05/10/06	N/A	05/10/06	N/A	05/10/06
15 South Alvaton	04/28/06	N/A	04/28/06	N/A	04/28/06	N/A	04/28/06
16 Boyce	05/23/15	N/A	05/23/15	N/A	05/23/15	N/A	04/28/15
17 Highway 240	04/18/12	N/A	04/18/12	N/A	04/18/12	N/A	04/18/12
17A Three Springs	03/01/09	N/A	03/01/09	N/A	03/01/09	N/A	03/01/09
18 Nashville Road	03/18/12	N/A	03/18/12	N/A	03/08/17	N/A	03/08/17
19 Old Highway 31W South	02/25/16	N/A	02/25/16	N/A	02/25/16	N/A	02/25/16
19A Woodburn	01/15/16	N/A	01/15/16	N/A	01/15/16	N/A	01/15/16
20 Grider Pond	05/17/16	N/A	05/17/16	N/A	05/17/16	N/A	05/17/16
21 Highway 68 West	04/10/15	N/A	04/10/15	N/A	04/10/15	N/A	04/10/15

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22 Rockfield	02/19/16	N/A	02/19/16	N/A	02/19/16	N/A	02/19/16	N/A	02/19/16	N/A	02/19/16	N/A	02/19/16	N/A
23 Fuqua Road	02/05/14	N/A	02/05/14	N/A	02/05/14	N/A	02/05/14	N/A	02/05/14	N/A	02/05/14	N/A	02/05/14	N/A
24 Highway 231 North	06/06/06	N/A	06/06/06	N/A	06/06/06	N/A	06/06/06	N/A	06/06/06	N/A	06/06/06	N/A	06/06/06	N/A
24A Morgantown Road #1	01/12/16	N/A	01/12/16	N/A	01/12/16	N/A	01/12/16	N/A	01/12/16	N/A	01/12/16	N/A	01/12/16	N/A
25 Morgantown Road #2	02/25/05	N/A	02/25/05	N/A	02/25/05	N/A	02/25/05	N/A	02/25/05	N/A	02/25/05	N/A	02/25/05	N/A
26 Hadley	08/10/12	N/A	08/10/12	N/A	08/10/12	N/A	08/10/12	N/A	08/10/12	N/A	08/10/12	N/A	08/10/12	N/A
28 Beech Bend Road	07/20/06	N/A	07/20/06	N/A	07/20/06	N/A	07/20/06	N/A	07/20/06	N/A	07/20/06	N/A	07/20/06	N/A
29 Briggs Hill	12/29/11	N/A	12/29/11	N/A	12/29/11	N/A	12/29/11	N/A	12/29/11	N/A	12/29/11	N/A	12/29/11	N/A

TOTALS - Leaks Found By Detection

ENTER Own Use (Gals):

	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17
1 BG North #1 @ BGMU WTP	-	-	-	-	-	-	-	-
2 Kelly Vance	39,474	166,787	-	13,683	24,323	-	-	4,000
X BG North #2 @ BGMU WTP	-	-	-	-	-	-	-	-
2A Porter Pike	-	-	-	-	17,576	-	-	20,940
3 Firestone 1 Mizpah	2,820	-	-	-	286,304	-	40,246	-
5 Detour Road	4,898	297,250	103,000	251,996	17,070	-	-	-
6 Girken	150,000	30,520	25,500	19,815	128,214	-	-	-
7 Richardsville	111,000	-	-	364,905	-	24,800	-	61,500
7A Ben Leo	-	-	14,000	51,182	-	1,210	-	-
8 Sandhill	-	-	-	7,870	-	-	-	-
9 Smith's Grove	3,500	5,250	20,000	16,500	-	-	3,000	78,627
9A Oakland	-	-	-	-	24,750	295,662	-	-
10 Hays	43,500	-	-	-	-	154,542	-	44,582
11 Barren County	-	-	-	-	-	-	-	97,000
X Cemetery Road @ BGMU	-	-	-	-	-	-	-	-
11S Cemetery Road	-	-	3,605	-	21,985	-	24,211	292,616
11T Barrington Manor	-	-	-	2,125	-	-	-	-
11U Drakes Creek	4,000	1,250	-	2,380	-	-	-	-
12 Bluegrass	-	-	-	19,363	-	-	-	23,000
13 Plano	2,500	-	2,500	-	82,455	122,078	-	5,300
15 South Alvaton	-	-	-	-	22,500	-	-	11,118
16 Boyce	-	-	-	-	-	-	-	-
17 Highway 240	-	-	5,400	-	-	-	-	4,000
17A Three Springs	183,000	-	-	216,106	1,800	84,126	-	2,036,858
18 Nashville Road	-	35,000	-	-	33,570	64,000	-	48,800
19 Old Highway 31W South	8,193	-	-	-	-	-	-	112,470
19A Woodburn	-	51,000	500	3,958	-	-	-	-
20 Grider Pond	8,390	3,020	8,250	-	-	-	-	-
21 Highway 68 West	-	8,520	2,000	128,381	94,369	71,212	-	-
22 Rockfield	-	8,618	-	-	-	-	-	-
23 Fuqua Road	-	36,240	-	9,800	25,240	92,400	-	9,800
24 Highway 231 North	-	-	-	-	-	20,170	-	-
24A Morgantown Road #1	-	-	-	-	-	-	-	-
25 Morgantown Road #2	-	-	6,000	-	-	-	-	2,880
26 Hadley	-	18,000	-	-	-	132,000	-	-
28 Beech Bend Road	-	-	-	22,800	-	-	-	-
29 Briggs Hill	-	-	2,000	-	-	-	-	-
TOTALS - Water for Own Use	550,373	660,675	194,775	1,130,144	775,799	1,117,466	-	2,953,934

WARREN COUNTY WATER DISTRICT
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ENTER Accounted For (Gals):

	Apr-17	Feb-17	Mar-17	Apr-17	Mar-17	Jan-17	Jul-17
1 BG North #1 @ BGMU WTP	-	-	37,600	-	44,200	-	-
2 Kelly Vance	4,800,200	3,340,600	280,000	-	-	890,600	-
X BG North #2 @ BGMU WTP	-	-	-	-	-	-	-
2A Porter Pike	1,330,200	800,400	730,080	780,200	190,000	930,200	187,200
3 Firestone \ Mizpah	108,000	-	306,600	532,800	309,600	100,800	233,280
5 Delour Road	115,200	-	88,340	948,080	1,234,080	454,940	1,778,400
6 Girken	-	86,400	12,000	72,000	-	74,880	11,520
7 Richardsville	527,155	129,730	41,380	11,520	-	14,400	-
7A Ben Leo	-	-	-	-	-	-	-
8 Sandhill	891,200	432,000	181,200	-	-	-	-
9 Smith's Grove	768,080	-	13,800	221,780	83,520	40,320	14,400
9A Oakland	86,400	83,520	26,640	1,529,600	682,400	-	31,680
10 Hays	318,800	1,296,000	129,600	54,720	57,600	20,880	-
11 Barren County	218,080	85,280	80,480	180,080	28,780	-	180,080
X Cemetery Road @ BGMU	-	-	-	-	-	-	-
11S Cemetery Road	-	216,000	-	-	-	144	-
11T Barrington Manor	-	87,200	28,800	-	57,800	158,400	-
11U Drakes Creek	509,760	1,209,200	1,938,800	840,800	453,800	734,400	216,000
12 Bluegrass	1,120,320	1,248,800	240,480	-	6,800	-	230,400
13 Plano	993,800	824,480	482,240	21,800	-	-	83,600
15 South Alvaton	-	-	-	38,880	148,896	7,200	6,800
16 Boyce	112,320	2,880	210,240	216,000	24,480	-	57,600
17 Highway 240	-	-	-	-	-	-	-
17A Three Springs	289,400	594,000	57,600	581,600	776,160	789,120	315,360
18 Nashville Road	374,400	587,600	4,824,000	-	-	-	679,920
19 Old Highway 31W South	14,400	237,600	8,000	-	144,000	-	149,760
19A Woodburn	682,400	370,800	171,360	257,040	187,200	30,800	345,800
20 Grider Pond	144,000	28,160	1,440	21,800	72,000	-	-
21 Highway 68 West	403,200	177,200	123,840	41,760	87,840	108,720	538,560
22 Rockfield	18,000	421,200	14,400	-	2,864,160	104,040	49,680
23 Fuqua Road	-	120,960	8,640	-	224,840	346,600	472,320
24 Highway 231 North	-	-	-	108,000	-	-	-
24A Morgantown Road #1	54,000	133,600	-	-	-	-	16,200
25 Morgantown Road #2	38,880	-	83,520	2,880	-	18,000	62,640
26 Hadley	-	114,432	14,400	826,800	43,200	-	294,300
28 Beech Bend Road	-	-	-	-	-	-	-
29 Briggs Hill	47,190	1,323,360	99,360	-	-	108,800	-
TOTALS - Water Accounted For	13,727,755	14,336,732	10,244,340	7,645,920	8,272,776	4,348,140	5,944,020

ENTER Master Meter Readings (SCADA):

	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Usage YTD
	Usage	Usage	Usage	Usage	Usage	Usage YTD
1 BG North #1 @ BGMU WTP	49,421,000	47,426,000	53,635,000	41,683,000	36,072,000	548,049,000
Kelly Vance	(47,586,000)	(45,794,000)	(51,768,000)	(40,209,000)	(35,219,000)	(528,561,000)
2 Kelly Vance	45,582,000	48,006,000	52,033,000	39,149,000	37,641,000	530,064,000
Detour Road \ Tanglewood	(12,817,000)	(13,121,000)	(15,482,000)	(11,000,000)	(11,712,000)	(138,542,000)
Girken	(4,982,000)	(5,814,000)	(5,368,000)	(4,594,000)	(4,933,000)	(60,517,000)
Porter Pike	(6,949,000)	(7,997,000)	(8,981,000)	(7,259,000)	(7,905,000)	(87,565,000)
Plum Springs	5,183,000	4,882,000	4,496,000	2,891,000	7,632,000	28,544,000
FSTV	6,000	3,000	4,000	64,000	1,000	135,000
FSTP	-	-	-	(8,000)	-	(8,000)
X BG North #2 @ BGMU WTP	1231372	1273394	1310224	1346178	1382588	395,164,000
Mizpah (Prev Firestone)	5721360	41,247,000	5795764	36,157,000	5834123	(35,359,000)
2A Porter Pike	6,986,000	8,173,000	8,784,000	7,499,000	7,640,000	87,120,000
3 Mizpah (Prev Firestone)	35,705,000	41,247,000	36,157,000	35,359,000	35,789,000	388,280,000
Oakland 1	(12,073,000)	(14,350,000)	(12,081,000)	(12,404,000)	(10,190,000)	(138,738,000)
Oakland 2	(4,205,000)	(4,864,000)	(4,021,000)	(3,965,000)	(3,313,000)	(46,403,000)
Plum Springs	(5,617,000)	(5,090,000)	(3,974,000)	(3,019,000)	(7,305,000)	(28,564,000)
FSTV	(6,000)	(3,000)	(5,000)	(63,000)	(1,000)	(135,000)
FSTP	-	-	-	8,000	-	8,000
5 Detour Road \ Tanglewood	12,527,000	14,527,000	13,968,000	12,015,000	10,478,000	137,803,000
Richardsville	(5,044,000)	(6,439,000)	(5,514,000)	(5,370,000)	(4,921,000)	(62,711,000)
6 Girken	5,022,000	6,106,000	5,030,000	4,825,000	4,825,000	60,540,000
Sand Hill South	(3,081,000)	(3,255,000)	(2,575,000)	(2,808,000)	(2,789,000)	(36,216,000)
7 Richardsville	5,835,000	5,468,000	6,247,000	5,004,000	5,556,000	62,973,000
Ben Leo	(1,769,600)	(1,595,600)	(1,791,900)	(1,395,400)	(1,654,900)	(19,413,500)
Jack Simmons Road	7,800	-	-	-	-	7,800
Anna	-	-	-	-	-	(41,900)
Mt Zion Road	-	(3,000)	(1,000)	-	(15,000)	(19,000)
7A Ben Leo	1,769,600	1,656,600	1,791,900	1,395,400	1,602,100	19,413,500
Mt Zion Road	-	3,000	1,000	-	15,000	19,000
8 Sandhill South	3,150,000	2,850,000	2,868,000	2,515,000	2,890,000	36,189,000
Jack Simmons Road	-	(7,800)	-	-	-	(7,800)
Anna	-	-	-	-	-	41,900
9 Smiths Grove	2,403,000	2,472,000	2,403,000	2,282,000	2,384,000	28,749,000
9A Oakland 1	12,155,000	14,507,000	11,580,000	10,877,000	11,983,000	139,288,000
Oakland 2	4,251,000	4,864,000	3,837,000	3,458,000	3,906,000	46,573,000
Hays	(7,391,000)	(8,105,000)	(6,657,000)	(6,157,000)	(6,895,000)	(80,753,000)
Smiths Grove	(2,390,000)	(2,638,000)	(2,239,000)	(2,200,000)	(2,452,000)	(28,631,000)
Three Forks	6,200	6,200	4,400	-	900	20,000
10 Hays	7,437,000	9,011,000	6,452,000	6,344,000	6,911,000	80,956,000
Barren County	(1,422,000)	(1,646,000)	(1,273,000)	(1,274,000)	(1,258,000)	(15,505,000)
Hwy 1297MM	-	-	-	-	-	-
Three Forks	(6,200)	-	(4,400)	-	(900)	(20,000)
11 Barren County	1,422,000	1,607,000	1,360,000	1,226,000	1,258,000	15,469,000
Barren County \ Glasgow	-	-	-	-	-	-
X Cemetery Road @ BGMU WTP	6364573	2,048,850,000	8737113	6888908	7081463	17,228,520,000
X Cemetery Road 24"	5082472	(168,550,000)	5102427	5119009	515742	(167,330,000)
X Cemetery Road 6"	18988	31,000	19037	19077	19133	56,000
11S Cemetery Road 24"	168,550,000	199,550,000	165,820,000	167,330,000	160,610,000	1,863,890,000
Cemetery Road 6"	(33,000)	(31,000)	(40,000)	(40,000)	(56,000)	(587,000)
Three Springs (Prev Greenwood #2)	(98,297,000)	(113,150,000)	(97,513,000)	(94,227,000)	(99,873,000)	(1,117,098,000)
Greenwood Road #1 @ PS	(42,527,000)	(49,553,000)	(38,675,000)	(36,843,000)	(36,129,000)	(435,521,000)
Drakes Creek	(22,525,000)	(26,798,000)	(20,244,000)	(19,647,000)	(16,865,000)	(216,079,000)

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Lovers Ln X 1000 (6")	2402	-	-	-	-	1,000	-	43,000
Lovers Ln X 100 (2" is off)	128397	-	-	-	-	-	-	-
11T Barrington Manor	687111	6,841,000	8,574,000	5,938,000	6,255,000	3,700,000	56,572,000	
Drakesboro	120088	319,300	430,400	132,600	134,600	2,400	1,521,700	
11U Drakes Creek	2870106	22,029,000	24,853,000	20,339,000	19,835,000	16,293,000	216,240,000	
Barrington Manor	687980	(5,748,000)	(7,725,000)	(5,183,000)	(5,000,000)	(3,787,000)	(56,572,000)	
Drakesboro	127451	(347,000)	(384,100)	(141,000)	(126,200)	(2,500)	(1,521,800)	
North Alvaton	721678	250,000	178,000	83,000	73,000	12,000	1,371,000	
South Alvaton	651296	(5,358,000)	(5,926,000)	(4,845,000)	(4,710,000)	(4,650,000)	(57,297,000)	
12 Bluegrass \ Greenwood #1 at PS	6488857	42,023,000	50,372,000	36,168,000	36,942,000	33,881,000	436,607,000	
Grider Pond	1328066	(7,825,000)	(9,641,000)	(6,776,000)	(7,296,000)	(6,851,000)	(83,905,000)	
Piano	3873853	(18,957,000)	(22,391,000)	(15,178,000)	(16,019,000)	(14,209,000)	(185,609,000)	
13 Piano	3873853	18,437,000	22,391,000	15,760,000	15,428,000	14,790,000	184,830,000	
North Alvaton	721682	(260,000)	(172,000)	(87,000)	(81,000)	(14,000)	(1,372,000)	
Boyce	687046	(3,871,000)	(4,092,000)	(3,223,000)	(3,298,000)	(3,442,000)	(40,649,000)	
15 South Alvaton	951833	5,867,000	5,863,000	5,251,000	4,267,000	4,804,000	57,589,000	
16 Boyce	687341	4,053,000	3,905,000	3,235,000	3,275,000	3,442,000	40,642,000	
Goodrum Road to Simpson Co.	12416	-	-	-	-	-	-	
Goodrum Road to Warren Co.	1103	-	-	-	-	-	-	
17 Highway 240	237946	2,228,000	1,938,000	1,349,000	1,311,000	1,222,000	16,727,000	
17A Three Springs (Prev Greenwood #2)	10149470	105,420,000	117,600,000	92,137,000	85,670,000	88,720,000	1,116,558,000	
Nashville Road	2915905	(41,801,000)	(50,946,000)	(40,475,000)	(39,828,000)	(40,500,000)	(476,690,000)	
Highway 68W @ Pump Station	2867551	(15,364,000)	(18,327,000)	(14,138,000)	(12,911,000)	(14,080,000)	(176,350,000)	
Parkway	2880	-	-	-	-	-	-	
Elrod Road	56	1,000	-	-	-	-	1,000	
Richpond	330126	(14,372,000)	(14,055,000)	(10,629,000)	(9,750,000)	(10,150,000)	(134,262,000)	
18 Nashville Road	2916820	40,063,000	46,833,000	44,814,000	41,361,000	40,193,000	476,974,000	
Old Highway 31W South	2031271	(499,000)	(34,000)	(33,000)	(43,000)	221,000	(641,000)	
Elrod Road	56	(1,000)	-	-	-	-	(1,000)	
John Jones Rd	194478	-	-	-	-	-	310,000	
19 Old Highway 31W South	2031271	459,000	34,000	33,000	43,000	(221,000)	642,000	
Woodburn	758424	(6,038,000)	(4,500,000)	(5,550,000)	(4,542,000)	(4,072,000)	(54,386,000)	
Richpond	339437	13,837,000	11,977,000	12,934,000	10,087,000	10,819,000	135,254,000	
19A Woodburn	758598	6,017,000	4,516,000	6,002,000	3,900,000	3,822,000	53,987,000	
Highway 240	238208	(2,288,000)	(1,659,000)	(1,626,000)	(1,142,000)	(1,135,000)	(16,769,000)	
Springfield Road to Simpson Co.	25897	-	-	-	-	-	-	
Springfield Road to Warren Co.	1829	-	-	-	-	-	-	
Starks Road to Simpson Co.	11078	-	(51,900)	-	(17,500)	(9,400)	(394,200)	
Starks Road to Warren Co.	88723	-	-	-	-	-	33,600	
20 Grider Pond	1327631	8,752,000	7,782,000	8,326,000	6,423,000	7,068,000	84,131,000	
21 Highway 68 West	0	0	0	0	0	0	0	
Highway 68W @ Pump Station	2869018	14,789,000	17,422,000	15,408,000	14,150,000	13,712,000	176,325,000	
Rockfield	731813	(3,847,000)	(4,314,000)	(4,182,000)	(3,505,000)	(3,533,000)	(49,162,000)	
Fuqua Road	704833	(3,389,000)	(3,954,000)	(3,294,000)	(3,172,000)	(2,911,000)	(38,487,000)	
John Jones Rd	194478	-	-	-	-	-	(310,000)	
22 Rockfield	732138	4,248,000	4,019,000	4,354,000	3,102,000	3,533,000	49,162,000	
East Logan	2248	(400)	-	-	-	(400)	-	
23 Fuqua Road	705402	3,733,000	3,709,000	3,374,000	2,980,000	2,899,000	38,587,000	
24 Highway 231	4983288	23,014,000	22,794,000	22,111,000	19,453,000	18,563,000	244,366,000	
Morgantown Road #1	1747302	(15,125,000)	(14,980,000)	(14,501,000)	(12,554,000)	(12,239,000)	(158,244,000)	
24A Morgantown Road #1	1747786	15,611,000	14,474,000	14,878,000	12,177,000	12,713,000	158,718,000	
Morgantown Road #2	2846867	(11,717,000)	(10,756,000)	(10,900,000)	(8,071,000)	(9,442,000)	(117,342,000)	
Bill Dedmon Road	78290	-	-	-	-	-	-	
25 Morgantown Road #2	2848467	11,717,000	11,553,000	10,103,000	9,441,000	9,072,000	117,342,000	
Briggs Hill	796232	(5,337,000)	(5,355,000)	(4,684,000)	(4,381,000)	(4,081,000)	(53,803,000)	
Hadley	188815	(2,884,000)	(2,760,000)	(1,901,000)	(2,099,000)	(1,985,000)	(26,744,000)	

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Hadley Cohron 4*(Changed on 6/6/12)	24715	-	24715	-	24715	1,00	24715	-	24715	-	1,000
26 Hadley	196915	2,793,000	199775	2,860,000	201576	1,801,000	203675	2,099,000	205716	2,041,000	26,800,000
Hadley Cohron 4*(Changed on 6/6/12)	24715	-	24715	-	24716	(1,00)	24716	-	24716	-	(1,000)
Butler Co. Line	353987	-	353987	-	353990	(30)	353990	-	353990	-	(300)
28 Beech Bend Road 2"	656526	645,700	663353	682,700	669842	648,900	677055	721,300	680566	351,100	5,818,800
Beech Bend 6"	14145	160,000	14251	106,000	14419	168,000	14515	96,000	14515	1,000	556,000
29 Briggs Hill	708406	5,163,000	713736	5,330,000	718430	4,694,000	722652	4,222,000	727216	4,564,000	54,150,000
Bill Dedmon Road	76390	-	76390	-	76390	-	76390	-	76390	-	-
Barren River Road	135015	23,000	135053	38,000	135072	19,000	135099	27,000	135116	17,000	332,000
TOTAL - Master Meter Readings		280,592,400		309,325,000		279,469,700		254,562,800		242,648,800	2,054,174,400
		OK		OK		OK		OK		OK	OK

ENTER - Reading Adjustments (Gals):

	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Adjusts YTD
1 BG North #1 @ BGMU WTP	-	-	-	-	600,000	600,000
2 Kelly Vance	-	-	-	-	-	1,250,000
X BG North #2 @ BGMU WTP	-	-	-	-	-	-
2A Porter Pike	-	-	-	-	-	-
3 Firestone 1 Mizpah	-	-	-	-	-	(1,250,000)
5 Detour Road	-	112,320 back-fed from R Vill	-	-	-	112,320
6 Girken	-	-	-	-	-	-
7 Richardsville	-	(112,320) back-fed to Detour	(230,000) dead meter @Anna	(150,000) Sandhill tank inspec	-	(492,320)
7A Ben Leo	-	-	-	150,000 Tnk out	-	150,000
8 Sandhill	-	-	230,000 dead meter @Anna	-	-	230,000
9 Smith's Grove	-	-	-	-	-	-
9A Oakland	-	-	-	-	-	-
10 Hays	-	-	-	-	-	-
11 Barren County	-	-	-	-	-	-
X Cemetery Road @ WTP	-	-	-	-	-	-
11S Cemetery Road	-	-	-	(4,985,587) Venturi meter issue	-	(9,838,587)
11T Barrington Manor	-	-	-	-	-	-
11U Drakes Creek	-	-	-	-	-	-
12 Bluegrass	-	-	-	-	-	-
13 Plano	-	-	-	-	-	-
15 South Alvaton	-	-	-	-	-	-
16 Boyce	-	-	-	-	-	-
17 Highway 240	-	-	-	-	-	-
17A Three Springs	-	-	-	-	-	(2,700,000)
18 Nashville Road	-	-	-	-	-	2,700,000
19 Old Highway 31W South	-	(390,000)	-	-	-	(390,000)
19A Woodburn	-	390,000	-	-	-	390,000
20 Grider Pond	-	-	-	-	-	-
21 Highway 68 West	-	-	-	-	-	-
22 Rockfield	-	-	-	-	-	-
23 Fuqua Road	-	-	-	-	-	-
24 Highway 231 North	-	-	-	-	-	-
24A Morgantown Road #1	-	-	-	-	-	-
25 Morgantown Road #2	-	-	-	-	-	-
26 Hadley	-	-	-	-	-	-
28 Beech Bend Road	-	-	-	-	-	-
29 Briggs Hill	-	-	-	-	-	-
TOTAL - Reading Adjustments	-	-	-	(4,985,587)	600,000	(9,238,587)

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CALCULATION - Water Purchased (Gals):

	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	
1 BG North #1 @ BGMU WTP	1,835,000	1,632,000	1,867,000	1,474,000	1,453,000	20,088,000
2 Kelly Vance	26,023,000	25,959,000	26,702,000	19,243,000	20,724,000	273,361,000
X BG North #2 @ BGMU WTP	649,000	775,000	673,000	595,000	621,000	6,884,000
2A Porter Pike	6,986,000	8,173,000	8,784,000	7,499,000	7,640,000	87,120,000
3 Firestone \ Mizpah	13,804,000	16,940,000	16,076,000	15,916,000	14,980,000	173,198,000
5 Delour Road	6,883,000	8,200,320	8,354,000	6,645,000	5,557,000	75,204,320
6 Girken	1,941,000	2,851,000	2,263,000	2,222,000	2,036,000	24,324,000
7 Richardsville	4,073,200	3,756,780	4,217,600	3,457,200	3,886,100	43,014,080
7A Ben Leo	1,769,600	1,659,600	1,792,900	1,545,400	1,617,100	19,582,500
8 Sandhill	3,150,000	2,842,200	3,098,000	2,515,000	2,890,000	36,453,100
9 Smith's Grove	2,403,000	2,472,000	2,403,000	2,282,000	2,384,000	28,749,000
9A Oakland	6,631,200	7,628,000	6,525,400	5,978,000	6,542,900	76,497,000
10 Hays	6,008,800	7,365,000	5,174,600	5,070,000	5,652,100	65,431,000
11 Barren County	1,422,000	1,607,000	1,360,000	1,226,000	1,258,000	15,469,000
X Cemetery Road @ BGMU	1,586,153,000	1,849,331,000	(165,780,000)	1,450,640,000	1,465,016,000	15,365,217,000
11S Cemetery Road	5,168,000	10,018,000	9,348,000	11,588,413	7,687,000	84,809,413
11T Barrington Manor	7,160,300	9,004,400	6,070,600	6,389,600	3,702,400	58,093,700
11U Drakes Creek	9,826,000	10,995,900	9,243,000	9,071,800	7,865,500	102,220,200
12 Bluegrass	15,241,000	18,340,000	14,214,000	13,636,000	12,821,000	167,093,000
13 Plano	14,306,000	18,127,000	12,450,000	12,069,000	11,334,000	142,809,000
15 South Alvaton	5,867,000	5,863,000	5,251,000	4,267,000	4,804,000	57,589,000
16 Boyce	4,053,000	3,905,000	3,235,000	3,275,000	3,442,000	40,642,000
17 Highway 240	2,228,000	1,938,000	1,349,000	1,311,000	1,222,000	16,727,000
17A Three Springs	33,884,000	34,262,000	26,695,000	23,141,000	23,990,000	326,557,000
18 Nashville Road	39,603,000	46,799,000	44,781,000	41,318,000	40,414,000	479,342,000
19 Old Highway 31W South	8,258,000	7,121,000	7,417,000	5,588,000	6,526,000	81,120,000
19A Woodburn	3,729,000	3,195,100	4,376,000	2,740,500	2,677,600	37,247,400
20 Grider Pond	8,752,000	7,782,000	8,326,000	6,423,000	7,068,000	84,131,000
21 Highway 68 West	7,543,000	9,154,000	7,932,000	7,473,000	7,268,000	88,366,000
22 Rockfield	4,247,600	4,019,000	4,354,000	3,102,000	3,533,000	49,161,600
23 Fuqua Road	3,733,000	3,709,000	3,374,000	2,980,000	2,899,000	38,587,000
24 Highway 231 North	7,889,000	7,834,000	7,610,000	6,899,000	6,324,000	86,122,000
24A Morgantown Road #1	3,894,000	3,718,000	3,978,000	3,106,000	3,271,000	41,376,000
25 Morgantown Road #2	3,496,000	3,438,000	3,519,000	2,961,000	3,006,000	36,796,000
26 Hadley	2,793,000	2,860,000	1,799,700	2,099,000	2,041,000	26,798,700
28 Beech Bend Road	805,700	788,700	816,900	817,300	352,100	6,374,800
29 Briggs Hill	5,166,000	5,368,000	4,713,000	4,249,000	4,581,000	54,482,000
TOTAL - Water Purchased (Northside & West)	280,592,400	309,325,000	279,459,700	249,577,213	243,448,800	3,044,925,813
	OK	OK	OK	OK	OK	OK

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11T Barrington Manor	5,895,690	5,895,910	5,892,590	5,899,920	5,882,590	55,627,290
11U Drakes Creek	8,779,292	9,999,290	7,827,890	7,667,220	6,387,350	86,297,350
12 Bluegrass	14,319,300	15,625,330	12,222,640	11,490,760	11,330,490	144,551,230
13 Plano	13,058,670	15,999,810	10,974,750	10,727,800	9,307,670	127,570,060
15 South Alvaton	3,390,990	5,062,280	4,825,200	4,070,420	4,482,910	52,517,200
16 Boyce	3,832,690	3,646,310	3,119,980	3,034,380	3,170,380	38,454,660
17 Highway 240	2,405,420	1,938,280	1,333,220	1,234,380	1,141,690	16,493,770
17A Three Springs	24,460,210	34,136,300	25,903,290	23,180,110	23,495,200	313,296,200
18 Nashville Road	36,496,920	43,175,530	43,659,130	37,845,420	37,603,200	442,581,700
19 Old Highway 31W South	7,394,160	6,216,930	6,567,850	5,870,378	6,889,480	71,012,400
19A Woodburn	3,357,930	2,805,930	2,862,950	2,872,190	1,940,840	29,366,700
20 Grider Pond	7,924,920	6,994,120	7,299,850	5,430,980	5,792,850	74,747,240
21 Highway 68 West	7,056,330	7,798,120	6,454,220	6,427,260	6,119,850	77,642,060
22 Rockfield	3,962,900	3,697,690	3,991,990	3,049,690	3,210,310	41,625,650
23 Fuqua Road	3,698,840	2,908,470	2,827,650	2,169,820	2,187,180	29,715,450
24 Highway 231 North	7,563,240	7,257,550	6,989,710	6,517,900	6,898,200	80,556,520
24A Morgantown Road #1	3,158,280	2,940,437	2,581,840	2,203,023	2,233,840	30,023,760
25 Morgantown Road #2	2,861,320	2,619,710	2,517,980	2,162,420	2,908,190	27,821,500
26 Hadley	1,879,910	1,827,060	1,366,070	1,584,980	1,709,810	20,132,440
28 Beech Bend Road	760,150	748,820	788,820	789,410	314,370	5,908,810
29 Briggs Hill	4,723,490	4,882,980	4,073,220	3,778,730	3,851,110	47,256,440
TOTALS - Water Sold	256,868,410	273,392,347	249,925,150	217,168,703	211,386,260	2,665,666,550

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ENTER Leak Detection Dates & No. of Leaks Found

	2016		2017		2018		2019		2020		Total
	Start Date	# of Leaks	Start Date	# of Leaks	Start Date	# of Leaks	Start Date	# of Leaks	Start Date	# of Leaks	
1 BG North #1 @ BGMU WTP	1/1/16	N/A	1/1/17	N/A	1/1/18	N/A	1/1/19	N/A	1/1/20	N/A	N/A
2 Kelly Vance	12/2/17	N/A	03/15/17	N/A	02/15/17	N/A	02/15/17	N/A	02/15/17	N/A	N/A
X BG North #2 @ BGMU WTP											
2A Porter Pike	03/31/17	N/A	03/31/17	N/A	03/31/17	N/A	03/31/17	N/A	03/31/17	N/A	N/A
3 Firestone \ Mizpah	02/10/16	N/A	02/10/16	N/A	02/10/16	N/A	02/10/17	N/A	02/10/17	N/A	N/A
5 Detour Road	07/17/17	N/A	07/17/17	N/A	07/17/17	N/A	07/17/17	N/A	07/17/17	N/A	N/A
6 Girken	04/14/15	N/A	04/14/15	N/A	04/14/15	N/A	04/14/15	N/A	04/14/15	N/A	N/A
7 Richardsville	12/01/14	N/A	12/01/14	N/A	12/01/14	N/A	12/01/17	N/A	12/01/17	N/A	N/A
7A Ben Leo	02/18/16	N/A	02/18/16	N/A	02/18/16	N/A	02/18/16	N/A	02/18/16	N/A	N/A
8 Sandhill	05/08/14	N/A	05/08/14	N/A	05/08/14	N/A	05/08/14	N/A	05/08/14	N/A	N/A
9 Smith's Grove	12/15/16	N/A	12/15/16	N/A	12/15/16	N/A	12/15/16	N/A	12/15/16	N/A	N/A
9A Oakland	05/02/16	N/A	05/02/16	N/A	05/02/16	N/A	05/02/16	N/A	05/02/16	N/A	N/A
10 Hays	05/27/15	N/A	05/27/15	N/A	05/27/15	N/A	05/27/15	N/A	05/27/15	N/A	N/A
11 Barren County	05/22/15	N/A	05/22/15	N/A	05/22/15	N/A	05/22/15	N/A	05/22/15	N/A	N/A
X Cemetery Road @ BGMU											
11S Cemetery Road	08/07/09	N/A	08/07/09	N/A	08/07/09	N/A	08/07/09	N/A	08/07/09	N/A	N/A
11T Barrington Manor	n/a	N/A	n/a	N/A	n/a	N/A	n/a	N/A	n/a	N/A	N/A
11U Drakes Creek	03/10/17	N/A	03/10/17	N/A	03/10/17	N/A	03/10/17	N/A	03/10/17	N/A	N/A
12 Bluegrass	02/25/17	N/A	02/25/17	N/A	02/25/17	N/A	02/25/17	N/A	02/25/17	N/A	N/A
13 Plano	05/10/06	N/A	05/10/06	N/A	05/10/06	N/A	05/10/16	N/A	05/10/16	N/A	N/A
15 South Alvaton	04/28/06	N/A	04/28/06	N/A	04/28/06	N/A	04/28/06	N/A	04/28/06	N/A	N/A
16 Boyce	04/28/15	N/A	04/28/15	N/A	04/28/15	N/A	04/28/15	N/A	04/28/15	N/A	N/A
17 Highway 240	04/18/12	N/A	04/18/12	N/A	04/18/12	N/A	04/18/12	N/A	04/18/12	N/A	N/A
17A Three Springs	03/01/09	N/A	03/01/09	N/A	03/01/09	N/A	03/01/09	N/A	03/01/09	N/A	N/A
18 Nashville Road	03/08/17	N/A	03/08/17	N/A	03/08/17	N/A	03/08/17	N/A	03/08/17	N/A	N/A
19 Old Highway 31W South	02/25/16	N/A	02/25/16	N/A	02/25/16	N/A	02/25/16	N/A	02/25/16	N/A	N/A
19A Woodburn	01/15/15	N/A	01/15/15	N/A	01/15/15	N/A	01/15/15	N/A	01/15/15	N/A	N/A
20 Grider Pond	05/17/16	N/A	05/17/16	N/A	05/17/16	N/A	05/17/16	N/A	05/17/16	N/A	N/A
21 Highway 68 West	04/10/15	N/A	04/10/15	N/A	04/10/15	N/A	04/10/15	N/A	04/10/15	N/A	N/A

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22 Rockfield	02/19/18	N/A	02/19/18	N/A	02/19/18	N/A	02/19/18	N/A	02/19/18	N/A	N/A
23 Fuqua Road	02/05/14	N/A	02/05/14	N/A	02/05/14	N/A	02/05/14	N/A	02/05/14	N/A	N/A
24 Highway 231 North	09/06/08	N/A	09/06/08	N/A	09/06/08	N/A	09/06/08	N/A	09/06/08	N/A	N/A
24A Morgantown Road #1	01/12/18	N/A	01/12/18	N/A	01/12/18	N/A	01/12/18	N/A	01/12/18	N/A	N/A
25 Morgantown Road #2	02/25/05	N/A	02/25/05	N/A	02/25/05	N/A	02/25/05	N/A	02/25/05	N/A	N/A
26 Hadley	08/10/12	N/A	08/10/12	N/A	08/10/12	N/A	08/10/12	N/A	08/10/12	N/A	N/A
28 Beech Bend Road	07/20/08	N/A	07/20/08	N/A	07/20/08	N/A	07/20/08	N/A	07/20/08	N/A	N/A
29 Briggs Hill	12/29/11	N/A	12/29/11	N/A	12/29/11	N/A	12/29/11	N/A	12/29/11	N/A	N/A

TOTALS - Leaks Found By Detection

OK

ENTER Own Use (Gals):

	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Own Use YTD
1 BG North #1 @ BGMU WTP	9,670	-	-	-	-	5,670
2 Kelly Vance	337,810	22,140	87,190	16,280	1,308,780	1,988,976
X BG North #2 @ BGMU WTP	-	-	-	-	-	-
2A Porter Pike	2,267	83,896	186,807	-	8,190	270,422
3 Firestone \ Mizpah	-	-	4,000	-	-	333,370
5 Delour Road	18,205	2,786	14,628	-	53,200	763,909
6 Girken	-	-	-	-	-	354,049
7 Richardsville	282,151	53,800	2,710	1,570	5,000	906,736
7A Ben Leo	11,800	-	25,500	121,780	91,800	317,282
8 Sandhill	-	-	-	-	-	7,670
9 Smith's Grove	18,034	18,945	-	-	-	162,956
9A Oakland	48,350	-	8,430	-	-	378,192
10 Hays	8,350	13,500	-	-	7,460	271,914
11 Barren County	-	9,090	-	7,290	-	113,286
X Cemetery Road @ BGMU	-	-	-	-	-	-
11S Cemetery Road	4,200	-	89,184	287,898	-	738,243
11T Barrington Manor	33,800	27,480	32,880	78,360	-	114,545
11U Drakes Creek	10,700	179,280	95,246	22,250	24,000	339,106
12 Bluegrass	2,200	4,500	6,000	18,000	2,670	73,733
13 Plano	12,220	59,360	50,970	28,880	85,812	429,875
15 South Alvaton	4,000	-	-	2,000	-	39,615
16 Boyce	-	-	-	-	-	-
17 Highway 240	-	53,400	9,887	-	1,090	73,787
17A Three Springs	5,400	96,550	72,705	12,598	27,800	2,718,644
18 Nashville Road	500	28,727	-	-	-	210,397
19 Old Highway 31W South	32,318	2,520	34,827	235,805	-	423,931
19A Woodburn	2,000	-	2,890	-	-	60,448
20 Grider Pond	-	-	-	7,200	30,250	57,110
21 Highway 68 West	-	-	10,500	5,780	17,800	336,322
22 Rockfield	500	-	-	-	21,300	30,418
23 Fuqua Road	9,800	71,640	9,600	17,850	111,100	392,670
24 Highway 231 North	-	4,800	-	-	-	24,970
24A Morgantown Road #1	-	2,600	36,450	-	-	39,050
25 Morgantown Road #2	-	-	-	242,080	-	250,740
26 Hadley	22,500	23,400	28,145	27,800	-	249,945
28 Beech Bend Road	-	21,000	-	-	-	43,800
29 Briggs Hill	-	-	123,400	-	-	125,400
TOTALS - Water for Own Use	874,556	774,184	854,186	1,070,967	1,770,092	12,647,181

OK

WARREN COUNTY WATER DISTRICT
 Input - Statistics By Metering Locations
 For Year 2017

S:\LEAK DETECTION\Water Loss Reports\WCWD Water Loss\WCWD Water Loss - Prior Years\WCWD Water Loss 2017 \INPUT
 1/8/2019 at 11:37 AM

ENTER Accounted For (Gals):

	Aug-17	Aug-17	Oct-17	Dec-17	Jan-17	Accounted YTD
1 BG North #1 @ BGMU WTP	-	-	-	-	-	100,800
2 Kelly Vance	14,899	144,899	334,899	-	297,899	9,559,440
X BG North #2 @ BGMU WTP	-	-	-	-	-	-
2A Porter Pike	499,890	205,890	199,890	-	7,749,330	9,061,920
3 Firestone \ Mizpah	1,421,790	899,890	399,890	119,520	108,480	3,937,440
5 Delour Road	1,288,890	5,821,280	1,418,240	2,275,200	787,520	16,253,820
6 Girken	24,490	335,980	117,360	14,400	43,200	771,600
7 Richardsville	499,490	1,044,980	565,056	100,844	-	2,851,045
7A Ben Leo	99,890	21,890	132,980	231,840	498,800	933,888
8 Sandhill	-	-	-	72,000	-	1,346,400
9 Smith's Grove	21,000	2,400	-	-	-	1,163,940
9A Oakland	80,840	-	158,400	480,960	123,840	3,664,080
10 Hays	194,800	538,320	-	-	180,000	2,707,920
11 Baren County	-	26,100	-	-	-	884,340
X Cemetery Road @ BGMU	-	-	-	-	-	-
11S Cemetery Road	-	99,480	25,820	-	-	604,560
11T Barrington Manor	-	-	288,000	-	-	630,000
11U Drakes Creek	36,000	1,135,080	890,496	199,344	1,022,400	9,256,200
12 Bluegrass	314,400	318,240	82,188	-	-	3,568,200
13 Plano	771,840	367,360	334,800	368,120	320,400	4,644,240
15 South Alvaton	28,800	185,800	252,000	57,600	-	708,576
16 Boyce	-	216,000	-	-	-	839,520
17 Highway 240	-	-	-	-	-	-
17A Three Springs	122,400	10,800	48,208	720	-	3,450,360
18 Nashville Road	-	-	-	-	-	6,475,920
19 Old Highway 31W South	892,840	57,800	43,200	26,800	43,200	1,417,200
19A Woodburn	518,400	-	799,240	5,760	-	3,308,400
20 Grider Pond	-	72,000	1,717,600	825,120	826,580	3,800,820
21 Highway 68 West	189,720	187,200	1,137,000	108,000	734,700	3,837,840
22 Rockfield	720	111,600	173,188	-	-	3,756,960
23 Fuqua Road	56,160	909,600	499,600	14,400	-	2,641,920
24 Highway 231 North	-	-	-	-	-	108,000
24A Morgantown Road #1	-	-	478,080	258,200	14,400	1,005,480
25 Morgantown Road #2	80,817	-	416,700	345,800	-	1,029,037
26 Hadley	6,000	236,840	73,896	30,960	-	1,638,722
28 Beech Bend Road	-	-	-	-	-	-
29 Briggs Hill	-	514,688	172,800	-	-	2,252,160
TOTALS - Water Accounted For	6,368,185	13,496,460	10,563,492	5,539,488	7,723,440	108,210,748 OK