#### COMMONWEALTH OF KENTUCKY

#### BEFORE THE PUBLIC SERVICE COMMISSION

In the N	<b>Iatter</b>	of:
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ELECTRONIC INVESTIGATION INTO	)	
EXCESSIVE WATER LOSS BY KENTUCKY'S	)	CASE NO. 2019-00041
JURISDICTIONAL WATER UTILITIES	)	

#### RESPONSE OF HYDEN-LESLIE COUNTY WATER DISTRICT TO COMMISSION ORDER OF MARCH 12, 2019

Hyden-Leslie County Water District submits its Response to the Commission's Order of

March 12, 2019.

Dated: April 12, 2019

Respectfully submitted,

Gerald E. Wuetcher

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Counsel for Hyden-Leslie County Water District

#### **CERTIFICATE OF SERVICE**

In accordance with 807 KAR 5:001, Section 8, I certify that Hyden-Leslie 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 April 12, 2019; that there are currently no parties that the Public Service Commission has excused from participation by electronic means in this proceeding; and that on or before April 16, 2019 this Application in paper medium will be delivered to the Public Service Commission.

Dud E Wretchen

#### COMMONWEALTH OF KENTUCKY

#### BEFORE THE PUBLIC SERVICE COMMISSION

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ELECTRONIC INVESTIGATION INTO	)		
EXCESSIVE WATER LOSS BY KENTUCKY'S	)	CASE NO.	2019-00041
JURISDICTIONAL WATER UTILITIES	)		

#### **RESPONSE OF**

HYDEN-LESLIE COUNTY WATER DISTRICT

TO

**COMMISSION ORDER OF MARCH 12, 2019** 

**FILED: April 12, 2019** 

#### **VERIFICATION**

COMMONWEALTH OF KENTUCKY	)
COUNTY OF LESLIE	) SS: )
Manager of Hyden-Leslie Water District a	ing duly sworn, deposes and states that he is the nd that he has personal knowledge of the matters set afied as the witness, and the answers contained therein nation, knowledge and belief.
X X	L.J. Turner
Subscribed and sworn to before me, this day of April 2019.	, a Notary Public in and before said County and State,
	Notary Public (SEAL)
	My Commission Expires: 4-4-72
	Notary ID: 598834

#### Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 1

- Q-1. Provide the utility's monthly unaccounted-for loss water loss percentage report with associated underlying data from January 1, 2018, to the date of the issuance of this Order.
- A-1. Hyden-Leslie County Water District's unaccounted for water loss percentage reports from January 1, 2018 to February 28, 2019 are attached to this Response.

#### Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 2

- Q-2. Describe in detail the procedure utilized in preparing monthly water use and loss reports, including, but not limited to, the following:
  - a. How the utility calculates water loss, water treatment plant usage, system flushing, and disinfection byproduct flushing.
  - b. Identify by name and job title employees who prepare or assist in the preparation of the reports.
  - c. What is included in the water loss category. Specifically, state whether the utility includes water loss from known leaks and breaks in the water loss category.
- A-2. a. Hyden-Leslie County Water District records daily influent plant totals. Customer meters are read monthly beginning on the 20th day of the month. The readings from the influent plant meters are combined to reflect the monthly total. Readings are then used from the monthly customer meter reading to calculate water loss. The monthly flushing reports, utility usage and fire department usage are then entered into the Water Loss Report. Utility Usage includes the total water used in the production process. Several items on the Utility Usage form are listed because flow totals are calculated from the raw water meter. Utility Usage form records usage related to sand pump waste, grit remover flush water, backwash water, basin drainage (backwash), pump cooling, instrument usage as well as water hoses, carrier water, and dilution water.
  - b. L.J. Turner, Water District Manager.
  - c. Water loss category includes Tank Overflows, Line Breaks (i.e., repaired leaks), Line Leaks (i.e., unlocated or unrepaired leaks), and Other.

#### Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 3

- Q-3. State whether the water utility has completed a water loss detection plan.
  - a. If the answer is yes, provide a copy of the last completed water loss detection plan.
  - b. If the answer is no, explain why a water loss detection plan has not been completed.
- A-3. a. A copy of last completed water loss detection plan is attached. Hyden-Leslie County Water District performs nightly tank drawdowns to determine areas of high usage. Average total customer usage in the zone area is used to calculate zone usage. Customer average usage is based on meter readings.
  - b. Not applicable.

#### Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 1

- Q-1. Provide the utility's monthly unaccounted-for loss water loss percentage report with associated underlying data from January 1, 2018, to the date of the issuance of this Order.
- A-1. Hyden-Leslie County Water District's unaccounted for water loss percentage reports from January 1, 2018 to February 28, 2019 are attached to this Response.

#### **Annual Water Loss Summary**

Water Utility: Hyden - Leslie County Water District

For the Year: 2018

MONTH	WATER LOSS %
JANUARY	33.2
FEBRUARY	40.6
MARCH	42.9
APRIL	29.7
MAY	28.7
JUNE	23.4
JULY	25.4
AUGUST	38.7
SEPTEMBER	24.9
OCTOBER	35.8
NOVEMBER	30.8
DECEMBER	37.2
TOTAL ANNUAL WATER LOSS %	32.9

The highest water loss was [	42.9	and occurred in the month of	DECEMBER
The lowest water loss was [	23.4	and occurred in the month of	JUNE

#### **LEGEND**

Water Loss is less that 15%
Water Loss is between 15% - 30%
Water Loss is greater than 30%

E#		ITEM	AND A STATE OF THE PARTY OF THE	NS (Omit 000's)
		JRCHASED & DISTRIBU	TED	41,053
	Produced Purchased			41,055
VVale		TOTAL PRODUCED AN	D PURCHASED	41,053
		TOTALTRODUCEDAN	DIOROIMOLD	
	R SALES			
Reside				17,285
Comm				2,893
Industr	ial			
0 Bulk Lo	pading Stations			
1 Whole	sale			
2 Other	Sales			
3		TOTAL	WATER SALES	20,178 4
4				
5 OTHE	R WATER USED			
	and/or Water Treat	tment Plant		7,253
	water Plant			
	n Flushing			
	epartment			
0 Other				
:1		TOTAL OTHER	R WATER USED	7,253 1
2 3 WATE	R LOSS			
	Overflows			
Line B				
6 Line L				13,622
7 Other				10,022
28		TO	TAL LINE LOSS	13,622 3
.0		10	TAL LINE LUSS	10,022

Water	Used by Uti	lity				Jan-18	XXIV.				
Date	Raw Water Treated	H.S. Hrs.	R.W Hrs.	Sand P. Hrs.	Utility Meter	Backwash	Filter to Waste	Basin Drainage	Pump Cooling	Inst. Usage	Total Usage
1	1,240,000	17.8	19.9	20.7	47,760	43,200	20,000	86,940	16,020	9,360	223,280
2	1,210,000	17.7	19.6	20.7	47,040	43,200	20,000	86,940	15,930	9,360	222,470
3	1,410,000	22.6	22.5	22.8	54,000	43,200	20,000	95,760	20,340	9,360	242,660
4	1,300,000	20.6	19.5	21.5	46,800	43,200	20,000	90,300	18,540	9,360	228,200
5	1,320,000	20.5	21.3	22.1	51,120	43,200	20,000	92,820	18,450	9,360	234,950
6	1,310,000	20.4	21.0	21.5	50,400	43,200	20,000	90,300	18,360	9,360	231,620
7	1,240,000	19.2	20.0	21.2	48,000	43,200	20,000	89,040	17,280	9,360	226,880
8	1,380,000	21.0	22.0	22.5	52,800	86,400	40,000	94,500	18,900	9,360	301,960
9	1,370,000	21.3	22.1	22.9	53,040	43,200	20,000	96,180	19,170	9,360	240,950
10	1,390,000	21.7	22.1	22.6	53,040	43,200	20,000	94,920	19,530	9,360	240,050
11	1,360,000	21.4	22.0	22.4	52,800	43,200	20,000	94,080	19,260	9,360	238,700
12	1,360,000	20.5	21.6	22.2	51,840	43,200	20,000	93,240	18,450	9,360	236,090
13	1,333,000	20.5	21.2	21.8	50,880	43,200	20,000	91,560	18,450	9,360	233,450
14	1,510,000	21.0	21.3	21.9	51,120	86,400	40,000	91,980	18,900	9,360	297,760
15	1,560,000	21.9	22.1	22.7	53,040	43,200	20,000	95,340	19,710	9,360	240,650
16	1,400,000	22.9	22.3	22.6	53,520	0	0	94,920	20,610	9,360	The second secon
17	1,360,000	21.3	21.7	22.3	52,080	43,200	20,000	93,660	19,170	9,360	
18	1,340,000	20.5	21.5	22.3	51,600	43,200	20,000	93,660	18,450	9,360	
19	1,410,000	22.3	22.6	22.8	54,240	43,200	20,000	95,760	20,070	9,360	242,630
20	1,560,000	22.6	22.1	22.6	53,040	43,200	20,000	94,920		9,360	The second secon
21	1,350,000	21.3	21.6	22.2	51,840		20,000	93,240	19,170	9,360	-
22	1,350,000	21.8	21.6	22.4	51,840	The second secon	40,000	94,080		9,360	
23	1,410,000	22.5	22.5		54,000		,	96,600		9,360	
24	1,370,000	20.9	22.1	22.6	53,040	43,200	20,000	94,920	18,810	9,360	239,330
25	1,150,000	18.2	18.5	19.4	44,400	43,200	20,000	81,480	16,380	9,360	214,820
26	1,160,000	17.4	18.5	19.7	44,400		20,000	82,740	15,660	9,360	
27	1,200,000	19.4	19.3	20.3	46,320		20,000	85,260	17,460	9,360	
28	1,160,000	18.3	18.6		44,640		20,000			9,360	
29	1,140,000	17.7	18.2		43,680			-		9,360	THE RESERVE AND ADDRESS OF THE PARTY OF THE
30	1,160,000	18.6	18.6		44,640					9,360	
31	1,240,000	19.5	19.9		47,760	The second secon	20,000			9,360	
	41,053,000	633.3	627.9	670.6	1,554,720	1,382,400	640,000	2,816,520	569,970	290,160	7,253,770
1	1,324,290	20.4	20.3	21.6	50,152		20,645	90,855	18,386	9,360	233,993
No. D	ays			The same of the same of	31						

Water	Utility:	Hyden - Leslie County Water Di	strict	
For th	e Month of:	February	Year:	2018
LINE #	t of the second second	ITEM	GALL	ONS (Omit 000's)
1		CED, PURCHASED & DISTRIBU		ond (onne ood s)
2	Water Produced			33,770
3	Water Purchased	d		
4		TOTAL PRODUCED AND	PURCHASED	33,770
5				
6	WATER SALES			
7	Residential			11,098
8	Commercial			2,205
9	Industrial			
10	Bulk Loading Sta	ations		
11	Wholesale			
12	Other Sales			
13		TOTAL	WATER SALES	13,303 39.4%
14		TOTAL	WATER SALLS	10,000 35.4 /0
15	OTHER WATER	USED		
16	Service of the servic	ter Treatment Plant		6,757
17	Wastewater Plan			0,101
18	System Flushing			
19	Fire Department			
20	Other			
21		TOTAL OTHER	WATER USED	6,757 20.0%
22				
23	WATER LOSS			
24	Tank Overflows			
25	Line Breaks			
26	Line Leaks			13,710
27	Other			
28		TO	TAL LINE LOSS	13,710 40.6%
29				
30	Note: Line 13 +	Line 21 + Line 28 Must Equal Line	4	
31				
32	WATER LOSS			
33	Unaccounted-Fo	or Water (Line 28 divided by Line 4		40.6%

Water	Used by Uti	lity				Feb-18		400			
Date	Raw Water Treated	H.S. Hrs.	R.W Hrs.	Sand P. Hrs.	Utility Meter	Backwash	Filter to Waste	Basin Drainage	Pump Cooling	Inst. Usage	Total Usage
1	1,120,000	18.0	17.9	18.9	22,700	43,200	20,000	79,380	16,200	9,360	190,840
2	1,170,000	18.6	18.9	19.7	23,600	43,200	20,000	82,740	16,740	9,360	195,640
3	1,230,000	19.2	19.7	20.5	24,300	43,200	20,000	86,100	17,280	9,360	200,240
4	1,200,000	19.0	19.2	19.9	23,300	43,200	20,000	83,580	17,100	9,360	196,540
5	1,220,000	18.9	19.6	20.2	23,600	43,200	20,000	84,840	17,010	9,360	198,010
6	1,200,000	18.6	19.3	20.2	23,300	43,200	20,000	84,840	16,740	9,360	197,440
7	1,030,000	14.9	16.3	17.2	20,600	43,200	20,000	72,240	13,410	9,360	178,810
8	1,300,000	17.2	20.4	21.7	24,400	43,200	20,000	91,140	15,480	9,360	203,580
9	1,230,000	22.3	22.6	22.6	26,500	86,400	40,000	94,920	20,070	9,360	277,250
10	880,000	11.3	14.2	15.0	18,300	43,200	20,000	63,000	10,170	9,360	164,030
11	1,140,000	15.6	16.6	17.9	33,200	43,200	20,000	75,180	14,040	9,360	194,980
12	1,280,000	19.5	20.2	20.7	37,400	43,200	20,000	86,940	17,550	9,360	214,450
13	1,210,000	17.5	19.2	20.3	31,000	43,200	20,000	85,260	15,750	9,360	204,570
14	1,290,000	0.5	18.6	195.0	26,200	86,400	40,000		478	9,360	981,438
15	1,310,000	18.1	18.9	20.1	27,000	86,400	40,000	84,420		9,360	263,470
16	1,280,000	19.1	20.1	23.9	27,400	86,400	40,000			9,360	280,730
17	1,290,000	18.7	20.7	21.5	28,000	-	40,000	90,300	16,830	9,360	270,890
18	1,280,000	17.1	20.2	22.2	27,900		60,000	93,240	15,390	9,360	335,490
19	1,280,000	18.7	19.8		28,100		20,000			9,360	
20	1,100,000	17.7	17.7	20.4	25,500		20,000	The second secon		9,360	
21	1,050,000	16.1	17.0		23,200		20,000			9,360	
22	1,130,000	17.9	18.2		23,900		20,000	-		9,360	
23	1,100,000	17.3	17.6		23,300		20,000		The second second second second second	9,360	
24	1,090,000	16.9	17.4		22,400		20,000	The second secon		9,360	
25	1,100,000	16.2	17.4		22,700		40,000			9,360	
26	1,210,000	16.7	19.1		24,500		40,000			9,360	
27	1,300,000	17.0	18.9		24,300		0	-		9,360	
28	1,170,000	16.8	18.2		23,900		20,000			9,360	The second second second second
29					,						
30 31											
	33,190,000	475.4	506.0		710,500		720,000	3,065,580	427,888		
1	1,185,357	17.0	18.1	26.1	25,375		25,714	109,485	15,282	9,360	240,759
No. D	ays				28						

March  ITEM  DUCED, PURCHASED & DISTRIBUT  red  sed		2018 NS (Omit 000's)
DUCED, PURCHASED & DISTRIBUT ed		NS (Omit 000's)
ed	ED	
SAC		34,410
	DUDOUAGED	21 112
TOTAL PRODUCED AND	PURCHASED	34,410
ES		
		10,842
		2,524
Stations		
TOTAL V	VATER SALES	13,366 38.
		Total Control of the
ER USED		
		6,269
ent		
TOTAL OTHER	WATER USED	6,269 18.
	The state of the s	
ws		
		1,814
		12,961
тот	AL LINE LOSS	14,775 42.
3 + Line 21 + Line 28 Must Equal Line	4	
3 + Line 21 + Line 28 Must Equal Line	4	
Fh	TER USED  Water Treatment Plant Plant hing nent  TOTAL OTHER  SS  Dws	Water Treatment Plant Plant Plant Phing nent TOTAL OTHER WATER USED  SS DWS

#### March 2018

Water	Used by Uti	lity				Mar-18					
Date	Raw Water Treated	H.S. Hrs.	R.W Hrs.	Sand P. Hrs.	Utility Meter	Backwash	Filter to Waste	Basin Drainage	Pump Cooling	Inst. Usage	Total Usage
1	1,280,000	19.7	20.1	21.1	25,800	43,200	20,000	88,620	17,730	9,360	204,710
2	1,270,000	18.5	19.0	19.8	24,200	43,200	20,000	83,160	16,650	9,360	196,570
3	1,120,000	17.7	17.2	18.5	22,700	43,200	20,000	77,700	15,930	9,360	188,890
4	1,180,000	18.5	18.0	19.8	24,800	86,400	40,000	83,160	16,650	9,360	260,370
5	1,180,000	19.2	19.0	20.0	24,800	0	0	84,000	17,280	9,360	135,440
6	1,150,000	17.1	18.4	19.9	23,900	86,400	40,000	83,580	15,390	9,360	258,630
7	1,220,000	19.8	19.5	20.3	25,200	0	0	85,260	17,820	9,360	137,640
8	1,230,000	18.1	18.7	19.7	23,900	43,200	20,000	82,740	16,290	9,360	195,490
9	1,210,000	19.2	19.1	20.4	25,100	43,200	20,000	85,680	17,280	9,360	200,620
10	1,230,000	19.1	18.8	19.8	24,500	43,200	20,000	83,160	17,190	9,360	197,410
11	1,030,000	14.1	16.4	17.6	20,900	86,400	40,000	73,920	12,690	9,360	
12	1,300,000	20.2	20.9		27,000	43,200	20,000	91,140	18,180	9,360	
13	1,190,000	18.1	19.1	19.8	25,400	129,600	60,000	83,160	16,290	9,360	THE RESERVE OF THE PERSON NAMED IN COLUMN TWO
14	1,150,000	17.3	18.6		23,900	43,200	20,000	83,580	15,570	9,360	
15	1,080,000	16.8	17.4		46,300	43,200	20,000	76,860	15,120	9,360	
16	990,000	14.9	15.8	The second secon	21,400		20,000	73,920	13,410	9,360	
17	1,110,000	17.2	17.7	2000	22,700		20,000	78,540	THE RESERVE OF THE PERSON NAMED IN	9,360	
18	1,070,000	17.2	17.2		22,100		20,000	74,340		9,360	THE RESERVE TO SHARE THE PARTY OF THE PARTY
19	1,130,000	16.6	18.8		24,300	The second secon	40,000	81,480		9,360	
20	990,000	15.8	16.0		22,500		20,000	-		9,360	
21	1,000,000	15.1	16.0		21,300		20,000			9,360	The second secon
22	1,030,000	16.3	16.6		22,800		20,000	-	The second secon	9,360	The second secon
23	1,000,000	15.4	16.1	_	21,700		20,000	The second secon		9,360	
24	1,000,000	15.1	16.3		22,000	The second second second	20,000			9,360	
25	1,150,000	17.4	18.5		23,900				-	9,360	The second secon
26	1,080,000	17.8	17.0		23,700			_	-	9,360	
27	1,020,000	16.4	16.4		22,200					9,360	
28	1,030,000	15.9	16.5		22,400		40,000			9,360	
29	1,020,000	15.4	16.1	_	22,200			-	-	9,360	
30	980,000	15.2	15.7	-	22,700					9,360	
31	990,000	16.0	15.8		20,700					9,360	
	34,410,000	531.1	526.6	5 579.4	747,000	1,598,400	722,000	2,433,480	477,990	290,160	6,269,030
١	1,110,000	17.1	17.0	18.7	24,097		23,290	78,499	15,419	9,360	202,227
No. D	ays		A. T. T. T.		31						

Water	Utility:	Hyden - Leslie County Water District			
For th	e Month of:	April	Year:	2018	
LINE #	<b>‡</b>	ITEM	GALLO	NS (Omit 000's)	
1		UCED, PURCHASED & DISTRIBUTED			
2	Water Produce	d		29,390	
3	Water Purchase	ed			
4		TOTAL PRODUCED AND PURC	HASED	29,390	
5					
6	WATER SALES	S			
7	Residential			12,411	
8	Commercial			2,725	
9	Industrial				
10	Bulk Loading S	tations			
11	Wholesale				
12	Other Sales				
13		TOTAL WATER	SALES	15,136 5	1 5%
14		TOTAL WATER	CONLEG		1.07
15	OTHER WATE	RUSED			
16		/ater Treatment Plant		5,520	
17	Wastewater Pla				
18	System Flushir	ng			
19	Fire Departmen	nt			
20	Other				
21		TOTAL OTHER WATE	RUSED	5,520 1	8.89
22					
23	WATER LOSS				
24	Tank Overflow	S			
25	Line Breaks			898	
26	Line Leaks			7,836	
27	Other	Name of the state			
28		TOTAL LIN	NE LOSS	8,734	29.79
29					
30	Note: Line 13	+ Line 21 + Line 28 Must Equal Line 4			
31					
32		PERCENTAGE			
33	Unaccounted-I	For Water (Line 28 divided by Line 4)		29.7%	

Water	Used by Uti	lity				Apr-18					
Date	Raw Water Treated	H.S. Hrs.	R.W Hrs.	Sand P. Hrs.	Utility Meter	Backwash	Filter to Waste	Basin Drainage	Pump Cooling	Inst. Usage	Total Usage
1	990,000	16.9	16.1	16.8	21,600	43,200	20,000	70,560	15,210	9,360	179,930
2	1,060,000	16.5	17.2	18.0	20,700	86,400	40,000	75,600	14,850	9,360	246,910
3	1,010,000	15.6	16.3	17.7	22,100	43,200	20,000	74,340	14,040	9,360	183,040
4	1,020,000	15.5	16.3	17.3	81,100	86,400	40,000	72,660	13,950	9,360	303,470
5	1,030,000	15.5	16.1	17.3	21,000	43,200	20,000	72,660	13,950	9,360	180,170
6	980,000	15.1	15.3	16.0	20,200	86,400	40,000	67,200	13,590	9,360	236,750
7	990,000	15.6	15.9	16.9	20,700	43,200	20,000	70,980	14,040	9,360	178,280
8	1,050,000	17.1	16.7	17.1	21,500			71,820	15,390	9,360	118,070
9	710,000	8.6	11.9	14.0	16,900	129,600	60,000	58,800	7,740	9,360	282,400
10	1,310,000	20.3	20.3	21.1	26,300	43,200	20,000	88,620	18,270	9,360	205,750
11	1,090,000	16.4	17.4	18.2	23,600	0	0	76,440	14,760	9,360	124,160
12	980,000	16.2	17.4	17.3	21,200	43,200	20,000	72,660	14,580	9,360	181,000
13	980,000	14.5	15.6	16.6	20,200	43,200	20,000	69,720	13,050	9,360	175,530
14	960,000	14.3	15.5	17.2	20,100	86,400	40,000	72,240	12,870	9,360	240,970
15	900,000	15.0	14.4	15.5	20,400	0	0	65,100	13,500	9,360	108,360
16	950,000	15.1	15.3	16.3	19,800	43,200	20,000	68,460	13,590	9,360	174,410
17	930,000	15.0	15.0	15.9	21,300	43,200	20,000	66,780	13,500	9,360	174,140
18	1,010,000	15.9	16.4	16.9	21,700	43,200	20,000	70,980	14,310	9,360	179,550
19	980,000	14.8	15.6	17.1	21,300	86,400	40,000	71,820	13,320	9,360	242,200
20	940,000	15.7	16.0	17.3	21,400		20,000	72,660	14,130	9,360	The second secon
21	1,060,000	15.9	17.1	18.5	21,900		20,000	77,700	14,310	9,360	186,470
22	910,000	14.7	14.4	15.2	20,200	0	0	63,840	13,230	9,360	106,630
23	960,000	15.5	15.3	15.8	20,800	43,200	20,000	66,360	13,950	9,360	173,670
24	920,000	14.3	14.8	15.7	19,800	43,200	20,000	65,940	12,870	9,360	171,170
25	950,000	15.1	15.3	16.1	20,500	43,200	20,000	67,620	13,590	9,360	
26	960,000	15.2	15.4	16.9	20,400	43,200	20,000	70,980	13,680	9,360	
27	930,000	14.2	14.6	15.4	19,500	43,200	20,000	64,680	12,780	9,360	169,520
28	940,000	14.5	14.9	16.0	20,100	43,200	20,000	67,200	13,050	9,360	172,910
29	940,000	15.1	15.1	15.8	20,100		0	-	_	9,360	The second secon
30	950,000	15.1	15.2	16.0	20,100	43,200	20,000			9,360	
31								0	0	9,360	9,360
	29,390,000	459.2	456.7	501.9	686,500	1,382,400	640,000	2,107,980	413,280	290,160	5,520,32
١	979,667	15.3	15.2	16.7	22,883	The state of the s	21,333	70,266	13,776	9,672	184,01
No. D	ays			A SALUE OF THE SAL	30	-					

the Month of:	May Year:	2018
IE#	ITEM GALLO	NS (Omit 000's)
WATER PRO	DUCED, PURCHASED & DISTRIBUTED	
2 Water Produc	ed	30,511
3 Water Purcha		
4	TOTAL PRODUCED AND PURCHASED	30,511
5 WATER SALI	9	
7 Residential	-5	13,326
8 Commercial		10,020
9 Industrial		2,907
0 Bulk Loading	Stations	
1 Wholesale		
Other Sales		
13	TOTAL WATER SALES	16,233
14		
5 OTHER WAT	ER USED	
16 Utility and/or \	Nater Treatment Plant	5,520
17 Wastewater F		
18 System Flush		
19 Fire Departme	ent	
20 Other		
21	TOTAL OTHER WATER USED	5,520
22 WATER LOS	g .	
24 Tank Overflow		
Line Breaks		3,236
26 Line Leaks		5,522
Other		
28	TOTAL LINE LOSS	8,758
29	TO THE ENGLES	0,, 00
	3 + Line 21 + Line 28 Must Equal Line 4	
31		
	S PERCENTAGE	
33 Unaccounted	-For Water (Line 28 divided by Line 4)	28.7%

Water	Used by Uti	lity				May-18					
Date	Raw Water Treated	H.S. Hrs.	R.W Hrs.	Sand P. Hrs.	Utility Meter	Backwash	Filter to Waste	Basin Drainage	Pump Cooling	Inst. Usage	Total Usage
1	1,010,000		17.4	17.1	23,700	43,200	20,000	71,820	0	9,360	168,080
2	1,211,000	16.2	15.9	16.0	21,900	43,200	20,000	67,200	14,580	9,360	176,240
3	960,000	15.0	15.2	16.8	20,200	43,200	20,000	70,560	13,500	9,360	176,820
4	940,000		14.8	16.3	20,900	86,400	40,000	68,460	0	9,360	225,120
5	960,000	15.1	15.5	16.4	20,700	43,200	20,000	68,880	13,590	9,360	175,730
6	930,000	15.1	15.0		21,100	0	0	65,520	13,590	9,360	109,570
7	980,000	15.1	15.4	16.1	20,700	43,200	20,000	67,620	13,590	9,360	174,470
8	920,000	15.2	15.2	15.7	21,000	43,200	20,000	65,940	13,680	9,360	173,180
9	1,010,000	15.0	16.0	17.1	21,200	86,400	40,000	71,820	13,500	9,360	242,280
10	970,000	15.3	15.8		20,300	43,200	20,000	69,720	13,770	9,360	176,350
11	930,000	15.1	15.4		20,200	43,200	20,000	67,620	13,590	9,360	173,970
12	890,000	13.9	14.4		19,400	43,200	20,000	65,100	12,510	9,360	169,570
13	980,000	16.0	15.8		21,700		0	70,140	14,400	9,360	115,600
14	1,060,000	16.7	16.8		23,100	-	20,000	75,180		9,360	185,870
15	960,000	15.0	15.4		21,100		20,000	67,620	13,500	9,360	174,780
16	1,080,000	16.0	15.7		21,800		20,000	70,140	THE RESERVE OF THE PERSON NAMED IN	9,360	178,900
17	950,000	14.8	15.2		20,500	1007	20,000	67,620	The second secon	9,360	174,000
18	820,000	12.8	13.5	The second secon	18,700		40,000	63,420		9,360	229,400
19	1,080,000	16.1	17.4		21,300		20,000	76,860		9,360	185,210
20	1,000,000	15.9	16.1		21,400		0	70,980		9,360	116,050
21	1,000,000	15.5	16.1		22,300		20,000	70,140	and the second s	9,360	178,950
22	930,000	14.1	15.1		20,600	The second secon	20,000			9,360	171,790
23	960,000	14.0	15.4		20,100		40,000			9,360	239,020
24	990,000	15.4	15.8	_	20,700		20,000	The language of the language o	The second second second	9,360	The second secon
25	900,000	14.0	14.5		19,300		20,000	-	-	9,360	
26	930,000	14.0	15.1	16.0	20,100	43,200	20,000		-	9,360	-
27	960,000	15.7	14.0	No. of Concession, Name of Street, or other Designation, Name of Street, or other Designation, Name of Street, Oracle of	20,500		0			9,360	
28	1,080,000	16.7	16.9	-	21,600		20,000		-	9,360	
29	960,000	13.2	15.4		19,700		40,000		-	9,360	
30	1,110,000	17.8	18.0	-	23,300		20,000		The second second second second	9,360	The same of the sa
31	1,050,000	16.2	17.0		22,700		20,000	-		9,360	
	30,511,000	440.9	467.8	514.0	651,800	1,382,400	640,000	2,158,800	396,810	290,160	5,519,97
١	984,226	14.2	15.1	16.6	21,026	44,594	20,645	69,639	12,800	9,360	178,06
No. D	ays				31						
								Located	Line Bre	ak Total	3236064
											8,756,034

or th	e Month of:	June	Year:	2018
LINE #		ITEM	GALLO	NS (Omit 000's)
1		RCHASED & DISTRIBUTED		20,000
2	Water Produced			30,680
3	Water Purchased	OTAL PRODUCED AND PUR	CHASED	30,680
5		OTAL PRODUCED AND FOR	CHASED	30,000
6	WATER SALES			
7	Residential			14,011
8	Commercial			3,658
9	Industrial			
10	Bulk Loading Stations			
11	Wholesale			
12	Other Sales		_	
13		TOTAL WATE	R SALES	17,669 57.
14				
15	OTHER WATER USED			
16	Utility and/or Water Treatm	nent Plant		5,847
17	Wastewater Plant			
18	System Flushing			
19	Fire Department			
20	Other		-	
21		TOTAL OTHER WAT	ER USED	5,847 19.
22				
23	WATER LOSS			
24	Tank Overflows			0.400
25	Line Breaks			3,428
26 27	Line Leaks Other			3,736
21	Other			
28		TOTAL L	INE LOSS	7,164 23.
29				
30	Note: Line 13 + Line 21 +	Line 28 Must Equal Line 4		
31				
32	WATER LOSS PERCENT	AGE		
33	Unaccounted-For Water (I	Line 28 divided by Line 4)		23.4%

Nater	Used by Uti	lity				Jun-18					
Date	Raw Water Treated	H.S. Hrs.	R.W Hrs.	Sand P. Hrs.	Utility Meter	Backwash	Filter to Waste	Basin Drainage	Pump Cooling	Inst. Usage	Total Usage
1	1,010,000	15.5	16.0	17.3	21,600	43,200	20,000	72,660	13,950	9,360	180,770
2	1,040,000	15.9	16.6	17.3	21,700	43,200	20,000	72,660	14,310	9,360	181,230
3	950,000	14.8	15.3	16.4	21,300	43,200	20,000	68,880	13,320	9,360	176,060
4	1,050,000	15.9	17.2	19.5	22,500	86,400	40,000	81,900	14,310	9,360	254,470
5	1,070,000	15.9	17.1	18.4	22,700	0	0	77,280	14,310	9,360	123,650
6	1,040,000	16.1	16.7	18.0	22,300	43,200	20,000	75,600	14,490	9,360	184,950
7	1,010,000	15.5	16.1	17.4	21,600	86,400	20,000	73,080	13,950	9,360	224,390
8	1,070,000	16.7	17.1	17.8	23,100	0	0	74,760	15,030	9,360	122,250
9	1,030,000	15.0	16.6	19.2	22,700	129,600	60,000	80,640	13,500	9,360	315,800
10	1,030,000	16.5	16.5	17.9	22,600	43,200	20,000	75,180		9,360	185,190
11	1,070,000	15.5	16.9	18.7	21,900	86,400	40,000	78,540	THE RESIDENCE OF THE PARTY OF T	9,360	250,150
12	1,080,000	13.4	17.2		23,400	86,400	40,000	76,860		9,360	248,080
13	1,120,000	17.4	17.2	-	23,600	The second secon	40,000	78,540		9,360	253,560
14	1,010,000	15.8	16.2	The second second second	21,100		0	71,400		9,360	The second secon
15	920,000	13.5	14.6		20,000		40,000	68,880		9,360	236,790
16	1,070,000	16.5	17.2		22,800		0	74,760		9,360	121,770
17	1,020,000	15.5	16.4	-	22,200	The second secon	20,000	72,660		9,360	181,370
18	1,020,000	15.7	16.3		22,300		20,000	71,820		9,360	
19	1,010,000	15.6	16.3	-	22,600		20,000	73,500		9,360	The second secon
20	980,000	15.3	15.6		22,000		20,000	69,300	The second second second	9,360	
21	1,000,000	15.2	16.1		21,500	The second secon	20,000	72,660		9,360	
22	920,000	14.3	14.3		20,700	-	20,000	65,520		9,360	
23	950,000	14.4	15.3		20,700		20,000	68,460		9,360	
24	1,000,000	15.5	16.0		21,600		20,000	70,980	The second second second second second	9,360	THE RESERVE THE PARTY OF THE PA
25	960,000	14.8	15.4		21,100		20,000	68,040		9,360	
26	980,000	15.1	15.8	-	21,000			72,240		9,360	
27	1,160,000	18.8	18.6	-	24,800		-	81,060	-	9,360	
28	1,060,000	15.3	16.7	_	21,900				The second secon	9,360	
29	1,040,000	16.1	16.7		22,600	-	The second secon		The second secon	9,360	
30	1,010,000	15.4	16.2		44,200	THE RESERVE THE PERSON NAMED IN COLUMN 2 IS NOT THE OWNER, THE PERSON NA	The state of the s			9,360	The second secon
	30,680,000	466.9	474.2	2 525.3	684,100	1,555,200	700,000	2,206,260	420,210	280,800	5,846,570
١	1,022,667	15.6	15.8	_	22,803			-		9,360	
No. D	ays				30	The second secon					
								Located	Line Bre	ak Tota	3428520
											9,275,090

i oi tiie	Month of: July	Year:	2018
LINE #	ITEM	GALLONS (Omit	000's)
1	WATER PRODUCED, PURCHASED & DISTRIBUTED		
2	Water Produced		31,460
3	Water Purchased	III OED	
4	TOTAL PRODUCED AND PURC	HASED	31,460
5 6	WATER SALES		
7	Residential		14,493
8	Commercial		3,321
9	Industrial		0,021
10	Bulk Loading Stations		
11	Wholesale		
12	Other Sales		
	reasonates to the control of		
13	TOTAL WATER	SALES	17,814 56.69
14			
15	OTHER WATER USED		5.047
16 17	Utility and/or Water Treatment Plant Wastewater Plant		5,647
18	System Flushing		
19	Fire Department		
20	Other		
20			
21	TOTAL OTHER WATE	RUSED	5,647 17.99
22			
23	WATER LOSS		
24	Tank Overflows		
25	Line Breaks		3,035
26	Line Leaks		4,964
27	Other		
28	TOTAL LIN	ELOSS	7,999 25.49
29			
30	Note: Line 13 + Line 21 + Line 28 Must Equal Line 4		
31			
32	WATER LOSS PERCENTAGE		
33	Unaccounted-For Water (Line 28 divided by Line 4)	NAME OF THE PERSON OF THE PERS	25.4%
		THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN	

Nater	Used by Uti	lity				Jul-18					
Date	Raw Water Treated	H.S. Hrs.	R.W Hrs.	Sand P. Hrs.	Utility Meter	Backwash	Filter to Waste	Basin Drainage	Pump Cooling	Inst. Usage	Total Usage
1	1,000,800	15.9	16.0	17.0	22,100	43,200	20,000	71,400	14,310	9,360	180,370
2	1,020,000	16.0	16.4	17.4	22,300	43,200	20,000	73,080	14,400	9,360	182,340
3	1,040,000	15.9	16.5	17.3	22,400	43,200	20,000	72,660	14,310	9,360	181,930
4	1,040,000	16.2	16.8	17.7	23,300	43,200	20,000	74,340	14,580	9,360	184,780
5	1,070,000	16.2	17.2	17.9	22,300	43,200	20,000	75,180	14,580	9,360	184,620
6	1,050,000	16.0	16.7	17.7	22,500	43,200	20,000	74,340	14,400	9,360	183,800
7	1,070,000	15.1	17.0	18.3	22,200	129,600	60,000	76,860	13,590	9,360	311,610
8	1,080,000	17.8	17.2		23,200	0	0	74,760	16,020	9,360	123,340
9	1,090,000	16.4	17.4		23,100	43,200	20,000	76,020	14,760	9,360	186,440
10	1,090,000	16.1	17.4		22,700	43,200	20,000	75,600	14,490	9,360	185,350
11	1,010,000	15.8	16.2		21,400	43,200	20,000	71,820	14,220	9,360	180,000
12	1,020,000	15.5	16.3		21,200	43,200	20,000	71,820	13,950	9,360	179,530
13	1,060,000	16.0	16.9		22,400	43,200	20,000	75,180	14,400	9,360	184,540
14	1,010,000	15.9	16.4		20,800	43,200	20,000	73,080	14,310	9,360	180,750
15	1,030,000	15.3	16.3		21,700		20,000	72,240		9,360	180,270
16	1,010,000	15.4	16.2	-	22,200		20,000	71,400		9,360	180,020
17	1,060,000	16.7	17.2		22,700	The second secon	20,000			9,360	188,410
18	990,000	14.2	15.5		20,200		40,000	69,720	-	9,360	238,460
19	1,020,000	16.3	16.5		21,900		40,000			THE RESERVE OF THE PARTY OF THE	118,170
20	960,000	14.8	15.2		20,100		20,000		THE RESERVE AND ADDRESS OF THE PARTY OF THE	9,360	174,440
21	890,000	13.9	14.4		19,100	The second secon	20,000	-		9,360	168,43
22	980,000	14.8	15.7		20,700		20,000		13,320	9,360	176,30
23	960,000	14.6	15.2	-	20,700		20,000			9,360	169,00
24	1,020,000	15.8	16.4		22,500		20,000		The state of the s	9,360	181,94
25	920,000	14.3	14.7		20,800		20,000	the same of the sa	The second secon	9,360	172,17
26	1,010,000	15.4	16.2		21,900		20,000			9,360	180,98
27	960,000	14.7	15.2		20,800		20,000	-		9,360	174,21
28	910,000	14.2	14.7		20,300		20,000			9,360	171,58
29	1,100,000	16.6	17.4		22,800		20,000	-		9,360	185,48
30	980,000	15.0	15.7	_	21,300		20,000			9,360	177,50
31	1,010,000	15.5	16.1	The second secon	21,600	-	20,000		13,950	9,360	180,35
	31,460,800	482.3	487.0	530.4	672,800	1,382,400	640,000	2,227,680	434,070	290,160	5,647,11
	1,014,865	15.6	15.7	7 17.1	21,703	44,594	20,645	71,861	14,002	9,360	182,16
No. D	ays				31						
								Located	Line Bre	ak Total	4,374,810
										No.	10,021,92

	ITEM GALLO	NS (Omit 000's)
WATER PRODU	JCED, PURCHASED & DISTRIBUTED	
Water Produced		33,360
Water Purchase		
	TOTAL PRODUCED AND PURCHASED	33,360
WATER SALES		
Residential		11,624
Commercial		3,045
Industrial		
Bulk Loading St	ations	
Wholesale		
Other Sales		
	TOTAL WATER SALES	14,669
	TOTAL WATER GALLS	
OTHER WATER	RUSED	
	ater Treatment Plant	5,775
Wastewater Pla		
System Flushing		
Fire Departmen		
Other		
	TOTAL OTHER WATER USED	5,77
WATER LOSS		
Tank Overflows		
Line Breaks		3,628
Line Leaks		9,288
Other		
	TOTAL LINE LOSS	12,91

Nater	Used by Uti	lity				Aug-18					
Date	Raw Water Treated	H.S. Hrs.	R.W Hrs.	Sand P. Hrs.	Utility Meter	Backwash	Filter to Waste	Basin Drainage	Pump Cooling	Inst. Usage	Total Usage
1	880,000	13.8	14.0	15.0	20,800	43,200	20,000	63,000	12,420	9,360	168,780
2	1,020,000	15.7	16.3	17.1	21,600	43,200	20,000	71,820	14,130	9,360	180,110
3	980,000	13.6	15.3	16.5	20,500	86,400	4,000	69,300	12,240	9,360	201,800
4	960,000	15.6	15.2	16.3	21,400	0	0	68,460	14,040	9,360	113,260
5	1,030,000	15.3	16.5	17.3	21,200	43,200	20,000	72,660	13,770	9,360	180,190
6	950,000	15.0	14.9	15.9	20,800	43,200	20,000	66,780	13,500	9,360	173,640
7	1,080,000	16.5	17.3	18.0	22,200	43,200	20,000	75,600	14,850	9,360	185,210
8	980,000	15.1	15.4	16.4	21,200	43,200	20,000	68,880	13,590	9,360	176,230
9	1,090,000	16.3	17.5	18.2	22,100	43,200	20,000	76,440	-	9,360	185,770
10	960,000	15.6	15.2	16.6	20,500	86,400	40,000	AND DESCRIPTION OF THE PERSON NAMED IN	14,040	9,360	240,020
11	1,020,000	16.3	16.5	17.0	22,100	0	0	71,400		9,360	117,530
12	1,170,000	16.7	17.7	18.5	22,500	43,200	20,000		15,030	9,360	187,790
13	1,050,000	16.0	16.5		22,000	43,200	20,000	72,240		9,360	181,200
14	1,080,000	16.8	17.6		23,200	43,200	20,000	77,280		9,360	188,160
15	1,250,000	18.8	19.8		23,300	43,200	20,000	86,520		9,360	199,300
16	1,430,000	22.0	21.9		27,600	43,200	20,000	91,980	The second secon	9,360	211,940
17	1,370,000	21.0	21.1		26,500	43,200	20,000	91,980		9,360	209,940
18	1,290,000	20.0	20.8		25,900	43,200	20,000		18,000	9,360	206,340
19	1,440,000	22.0	22.2		28,900	43,200	20,000	94,080	-	9,360	215,340
20	1,120,000	17.2	18.6		22,800	43,200	20,000		15,480	9,360	186,860
21	1,030,000	15.5	16.7		21,700	43,200	20,000		13,950	9,360	182,550
22	1,230,000	18.6	19.9		25,600	43,200	20,000		16,740	9,360	200,580
23	980,000	15.5	15.9		22,500	43,200	20,000		13,950	9,360	182,510
24	880,000	13.2	14.2		19,500	86,400	40,000		11,880	9,360	233,080
25	1,070,000	16.0	17.0		22,300		20,000		14,400	9,360	185,700
26	1,060,000	16.7	17.3		23,300		0		15,030	9,360	122,870
27	1,020,000	15.4	16.4		22,300		20,000		13,860	9,360	180,120
28	1,010,000	15.4	16.3		21,800		20,000	71,820	-	9,360	180,040
29	960,000	14.2	15.6		21,900	The second secon	40,000	The second secon	12,780	9,360	241,840
30	1,000,000	15.5	15.5		21,400		20,000			9,360	179,730
31	970,000	14.9	15.5		20,900		20,000	69,720		9,360	176,590
	33,360,000	510.2	516.6	5 556.9	700,300	1,382,400	604,000	2,338,980	459,180	290,160	5,775,020
	1,076,129	16.5	16.7	18.0	22,590	The second secon	19,484	75,451	14,812	9,360	186,291
No. D	ays				31						
								Located	Line Bre	ak Total	3,628,020
			Lucian								9,403,040

,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	r Utility: Li	Hyden - Leslie County Water District		
For th	e Month of:	September	Year:	2018
LINE	#	ITEM	GALLO	NS (Omit 000's)
1		D, PURCHASED & DISTRIBUTED		
2	Water Produced			28,620
3	Water Purchased			
4		TOTAL PRODUCED AND PUR	CHASED	28,620
5				
6	WATER SALES			
7	Residential			12,981
8	Commercial			3,147
9	Industrial			
10	Bulk Loading Statio	ns		
11	Wholesale			
12	Other Sales		-	
13		TOTAL WATE	R SALES	16,128 56.49
14				
15	OTHER WATER US	SED		
16	Utility and/or Water	Treatment Plant		5,373
17	Wastewater Plant			
18	System Flushing			
19	Fire Department			
20	Other			
21		TOTAL OTHER WAT	ER USED	5,373 18.89
22				
23	WATER LOSS			
24	Tank Overflows			
25	Line Breaks			3,022
26	Line Leaks			4,097
27	Other			
28		TOTAL LI	NE LOSS	7,119 24.9
29				
30	Note: Line 13 + Lin	ne 21 + Line 28 Must Equal Line 4		
31	WATER LOSS PE	RCENTAGE		
33		Vater (Line 28 divided by Line 4)		24.9%
00	oriaccounted-For V	vater (Line 20 divided by Line 4)		44.3/0

#### QUESTION 1\_ATTACHMENT PAGE 19 of 29

#### **Used by Utility**

Sep-18

Data	Raw Water Treated	H.S. Hrs.	R.W	Uro	Sand D Ure	Utility Meter	Backwash	Filter to Waste	Basin Drainage	Pump Cooling	Inst. Usage	Total Usage
Date 1	910,000	14.1		4.7	15.9	20,400	43,200	20,000	66,780	12,690	9,360	172,430
2	970.000	15.1		5.8	17.7	22,100	43,200	20,000	74,340	13,590	9,360	182,590
3	1,000,000	15.4		6.1	17.4	21,800	43,200	20,000	73,080	13,860	9,360	181,300
4	960,000	14.9		5.3	16.0	21,100	43,200	20,000	67,200	13,410	9,360	174,270
5	960,000	14.7		5.7	16.9	21,300	86,400	40,000	70,980	13,230	9,360	241,270
6	940,000	14.9		5.3	16.3	20,000	0	0	68,460	13,410	9,360	111,230
7	940,000	13.8		5.2	16.3	19,700	86,400	40,000	68,460	12,420	9,360	236,340
8	940,000	14.7		5.0	16.8	19,600	43,200	20,000	70,560	13,230	9,360	175,950
9	1,000,000	15.8		5.9	16.4	20,000	0	0	68,880	14,220	9,360	112,460
10	900,000	14.4		4.6	14.6	19,400	43,200	20,000	61,320	12,960	9,360	166,240
11	910,000	14.3		4.8	15.7	19,800	43,200	20,000	65,940	12,870	9,360	171,170
12	960,000	15.1	1	5.7	16.8	20,100	43,200	20,000	70,560	13,590	9,360	176,810
13	970,000	14.6		5.6	16.6	20,300	86,400	40,000	69,720	13,140	9,360	238,920
14	960,000	15.0		5.6	16.7	21,500	43,200	20,000	70,140	13,500	9,360	177,700
15	930,000	14.0	1	5.0	15.8	20,300	43,200	20,000	66,360	12,600	9,360	171,820
16	1,000,000	15.5	1	6.2	16.8	21,900	43,200	20,000	70,560	13,950	9,360	178,970
17	1,070,000	15.8	1	6.4	17.2	21,100	0	0	72,240	14,220	9,360	116,920
18	950,000	14.8	1	5.5	16.0	20,800	43,200	20,000	67,200	13,320	9,360	173,880
19	960,000	15.2	1	5.6	16.6	20,900	43,200	20,000	69,720	13,680	9,360	176,860
20	950,000	14.3	1	5.4	16.3	19,400	43,200	20,000	68,460	12,870	9,360	173,290
21	980,000	14.5	1	5.9	16.6	20,900	86,400	40,000	69,720	13,050	9,360	239,430
22	920,000	13.7	1	5.1	16.2	20,300	86,400	40,000	68,040	12,330	9,360	236,430
23	1,000,000	15.4	1	6.2	17.2	21,200	43,200	20,000	72,240	13,860	9,360	179,860
24	980,000	15.6	1	5.8	16.3	21,100	0	0	68,460	14,040	9,360	112,960
25	910,000	14.0	1	4.9	15.6	17,100	43,200	20,000	65,520	12,600	9,360	167,780
26	990,000	15.1		6.0	16.8	20,800	43,200	20,000	70,560	13,590	9,360	177,510
27	880,000	12.7		4.1	15.1	19,000	43,200	20,000	63,420	11,430	9,360	166,410
28	960,000	14.8		5.4	16.9	20,600	86,400	40,000	70,980	13,320	9,360	240,660
29	950,000	13.9		5.4	16.3	20,600	43,200	20,000	68,460	12,510	9,360	174,130
30	870,000	13.6	1	4.2	15.1	19,400	43,200	20,000	63,420	12,240	9,360	167,620
	28,620,000	439.7		47.7	490.9	612,500	1,382,400	640,000	2,061,780	395,730	280,800	5,373,210
No. Day	954,000 'S	14.7		14.9	16.4	20,417 <b>30</b>	46,080	21,333	68,726	13,191	9,360	179,107
								Locate	ed Line Brea	k Total		3,021,480

3,021,480 8,394,690

Water	r Utility:	Hyden - Leslie County Water Dist	rict	
For th	e Month of:	October	Year:	2018
LINE #	THE RESERVE AND ADDRESS OF THE PERSON NAMED IN	ITEM	The second secon	NS (Omit 000's)
1		UCED, PURCHASED & DISTRIBUTE	ED	
2	Water Produce			30,610
3	Water Purchas		DUD 0114 0 E D	
4		TOTAL PRODUCED AND	PURCHASED	30,610
5	WATER SALE	S		
7	Residential			11,096
8	Commercial			2,819
9	Industrial			
10	Bulk Loading S	stations		
11	Wholesale			
12	Other Sales	-		
13		TOTAL W	ATER SALES	13,915 45.5
14				
15	OTHER WATE			
16		later Treatment Plant		5,748
17	Wastewater Pl			
18	System Flushir	ng		
19	Fire Departmen	nt		
20	Other			
21		TOTAL OTHER I	WATER USED	5,748 18.8
22	WATER LOSS			
24	Tank Overflow			
25	Line Breaks			2,015
26	Line Leaks			8,932
27	Other			
28		TOTA	AL LINE LOSS	10,947 35.8
29				
30	Note: Line 13	+ Line 21 + Line 28 Must Equal Line	4	
31	WATER	PERCENTAGE		
32 33		S PERCENTAGE For Water (Line 28 divided by Line 4)		35.8%
33	Onaccounted-	or vialer (Line 20 divided by Line 4)		33.076

#### QUESTION 1\_ATTACHMENT PAGE 21 of 29

Used by Utility

Oct-18

200	Raw Water				Sand P.	Hellie Meter	Destruck	Filter to	Basin Drainage	Pump	Inst. Usage	Total Usage	
Date	Treated	H.S. Hrs.	R.W	Hrs. 3.5	Hrs. 17.0	Utility Meter 27,000	Backwash	Waste	71,400	14,940	9,360	122,700	
1	1,020,000	16.6 16.5		5.5 6.1	17.5	20,900	86,400	40,000	73,500	14,850	9,360	245,010	
2	1,000,000	15.9		4.8	15.7	20,900	0	0	65,940	14,310	9,360	110,510	
4	960,000	13.7		2.8	17.0	20,100	86,400	40.000	71,400	12,330	9,360	239,590	
5	910,000	15.2		5.1	15.9	21,100	00,400	0	66,780	13,680	9,360	110,920	
6	970.000	15.4		6.0	16.8	21,100	43,200	20,000	70,560	13,860	9,360	178,280	
7	980,000	15.4		6.1	17.0	20,800	43,200	20,000	71,400	13,680	9,360	178,440	
8	990,000	15.4		6.2	17.3	21,600	43,200	20,000	72,660	13,860	9,360	180,680	
9	980,000	14.8		5.9	16.7	20,900	43,200	20,000	70,140	13,320	9,360	176,920	
10	900,000	13.9		4.5	15.4	20,200	43,200	20,000	64,680	12,510	9,360	169,950	
11	950,000	14.1		5.5	16.9	20,500	86,400	40,000	70,980	12,690	9,360	239,930	
12	930,000	13.6		5.2	16.3	20,400	86,400	40,000	68,460	12,240	9,360	236,860	
13	900,000	13.7		4.7	15.6	19,500	43,200	20,000	65,520	12,330	9,360	169,910	
14	930,000	15.1		5.4	15.8	20,400	0	0	66,360	13,590	9,360	109,710	
15	920,000	13.8		5.0	15.8	19,900	43,200	20,000	66,360	12,420	9,360	171,240	
16	970,000	14.8		5.7	16.5	21,000	43,200	20,000	69,300	13,320	9,360	176,180	
17	920,000	14.1		4.9	16.2	20,400	43,200	20,000	68,040	12,690	9,360	173,690	
18	1,020,000	15.6		6.6	17.4	21,100	43,200	20,000	73,080	14,040	9,360	180,780	
19	970,000	13.5		5.9	17.6	20,300	86,400	40,000	73,920	12,150	9,360	242,130	
20	1,010,000	15.8		6.8	17.7	23,300	86,400	40,000	74,340	14,220	9,360	247,620	
21	960,000	14.7		5.5	16.3	21,000	0	0	68,460	13,230	9,360	112,050	
22	1,030,000	14.7		6.8	17.8	21,900	86,400	40,000	74,760	13,230	9,360	245,650	
23	970,000	15.7		5.7	16.3	22,200	0	0	68,460	14,130	9,360	114,150	
24	1,020,000	14.5		6.7	17.7	22,000	86,400	40,000	74,340	13,050	9,360	245,150	
25	990,000	15.7		6.1	17.4	22,300	43,200	20,000	73,080	14,130	9,360	182,070	
26	1,110,000	17.2		8.2	18.6	24,500	43,200	20,000	78,120	15,480	9,360	190,660	
27	1,110,000	17.2	1	8.0	18.8	22,900	0	0	78,960	15,480	9,360	126,700	
28	1,180,000	17.4	- 1	9.1	19.9	24,400	86,400	40,000	83,580	15,660	9,360	259,400	
29	1,030,000	17.2	1	6.9	17.6	22,200	0	0	73,920	15,480	9,360	120,960	
30	1,050,000	15.3	1	7.0	17.6	21,600	86,400	40,000	73,920	13,770	9,360	245,050	
31	1,030,000	14.8	1	6.7	17.8	20,900	86,400	40,000	74,760	13,320	9,360	244,740	
	30,610,000	471.1	4	79.9	527.9	667,500	1,468,800	680,000	2,217,180	423,990	290,160	5,747,630	
	987,419	15.2		15.5	17.0	21,532	47,381	21,935	71,522	13,677	9,360	185,407	
Vo. Da	ys					31							
								Locat	ed Line Brea	ak Total		2,014,680	
												7,762,310	

133503.8

Vater	Utility:	Hyden - Leslie County Water District	t	
or th	e Month of:	November	Year:	2018
INE #	¥	ITEM	GALLO	NS (Omit 000's)
1		UCED, PURCHASED & DISTRIBUTED	AND DESCRIPTION OF THE PERSON	no (onit ood)
2	Water Produce			32,760
3	Water Purchas			
4	The state of the s	TOTAL PRODUCED AND PL	JRCHASED	32,760
5				
6	WATER SALE	S		and the same of th
7	Residential			13,503
8	Commercial			3,124
9	Industrial			
10	Bulk Loading S	stations		
11 12	Wholesale Other Sales			
12	Other Sales			
13		TOTAL WAT	TER SALES	16,627 50.8
14				
15	OTHER WATE			
16		Vater Treatment Plant		6,044
17	Wastewater Pl			
18	System Flushin			
19	Fire Departme Other	nt		
20	Other			
21		TOTAL OTHER WA	ATER USED	6,044 18.4
22				
23	WATER LOSS			
24	Tank Overflow	'S		2,337
25 26	Line Breaks Line Leaks			7,752
27	Other			1,132
21	Other			
28		TOTAL	LINE LOSS	10,089 30.8
29				
30	Note: Line 13	+ Line 21 + Line 28 Must Equal Line 4		
31				
32		PERCENTAGE		
33	Unaccounted-	For Water (Line 28 divided by Line 4)		30.8%

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   | ω  | N   | _  | Date  |  |  | Used b   |
| 1,056,774 | 32,760,000                                    | 1,070,000  | 1,160,000   | 1,110,000  | 1,060,000   | 1,150,000  | 1,140,000   | 1,060,000  | 1,100,000   | 1,100,000  | 1,080,000   | 1,120,000  | 1,190,000  | 1,090,000  | 1,080,000  
   
   
  | 1,080,000  
   
   | 1,200,000   
   
  | 1,090,000  | 1,120,000   
  | 1,140,000  | 1,090,000  | 1,020,000  | 1,050,000  | 1,000,000   | 1,130,000  | 1,060,000  | 1,120,000  | 1,080,000   
   | 1,080,000  | 1,030,000   | 960,000  | Treated   | Raw Water  |  | Used by Utility  |
| 16.1      | 499.2   | 17.4   | 17.1  | 17.9   | 15.5  | 17.1   | 18.3  | 15.4   | 16.1  | 17.5   | 16.5  | 16.3   | 18.7   | 16.0   | 17.8   
   
   
  | 16.6   
   
   | 17.5  
   
  | 17.1   | 17.9  
  | 15.7   | 17.5   | 16.2   | 14.9   | 16.2  | 16.0   | 15.8   | 16.3   | 16.7  
   | 16.5   | 15.1  | 15.6   | H.S. Hrs.   |  |  |  |
| 16.6      | 514.9   | 17.4   | 18.8  | 18.0   | 17.2  | 17.1   | 18.5  | 17.3   | 18.0  | 18.0   | 17.5  | 18.1   | 19.2   | 17.7   | 17.7   
   
   
  | 17.5   
   
   | 19.4  
   
  | 17.5   | 18.1  
  | 18.6   | 17.7   | 16.6   | 17.1   | 16.2  | 18.1   | 17.7   | 18.1   | 17.6  
   | 17.3   | 16.9  | 15.5   | R.W Hrs.  |  |  |  |
| 18.0      | 557.5   | 18.7   | 19.8  | 18.8   | 18.5  | 19.8   | 18.9  | 18.5   | 19.1  | 18.7   | 18.2  | 19.3   | 19.8   | 18.6   | 17.9   
   
   
  | 18.8   
   
   | 19.8  
   
  | 18.2   | 18.7  
  | 19.9   | 17.9   | 17.7   | 17.9   | 16.8  | 19.2   | 18.2   | 18.7   | 18.6  
   | 18.1   | 18.0  | 16.4   | Hrs.  | Sand P.  |  |  |
| 22,590    | 700,300                                       | 46,300   | 23,500  | 23,000   | 21,500  | 23,300   | 23,200  | 22,900   | 23,000  | 23,900   | 22,800  | 23,100   | 24,200   | 22,100   | 22,100   
   
   
  | 22,000   
   
   | 23,600  
   
  | 23,100   | 23,500  
  | 23,300   | 22,400   | 21,200   | 21,800   | 20,900  | 22,500   | 22,300   | 21,700   | 22,600  
   | 22,000   | 21,900  | 20,600   | <b>Utility Meter</b>  |  |  |  |
| 48,774    | 1,512,000                                     | 86,400   | 86,400  | 0  | 86,400  | 86,400   | 0   | 86,400   | 86,400  | 43,200   | 43,200  | 86,400   | 0  | 86,400   | 0  
   
   
  | 86,400   
   
   | 86,400  
   
  | 43,200   | 0   
  | 86,400   | 43,200   | 0  | 86,400   | 0   | 86,400   | 0  | 43,200   | 43,200  
   | 43,200   | 86,400  | 0  | Backwash  |  |  | Nov-18   |
| 24,516    | 760,000                                       | 40,000   | 40,000  | 0  | 40,000  | 40,000   | 0   | 40,000   | 40,000  | 20,000   | 20,000  | 40,000   | 0  | 40,000   | 0  
   
   
  | 40,000   
   
   | 40,000  
   
  | 20,000   | 0   
  | 60,000   | 20,000   | 0  | 60,000   | 0   | 40,000   | 0  | 20,000   | 20,000  
   | 20,000   | 60,000  | 0  | Waste   | Filter to  |  |  |
| 75,532    | 2,341,500                                     | 78,540   | 83,160  | 78,960   | 77,700  | 83,160   | 79,380  | 77,700   | 80,220  | 78,540   | 76,440  | 81,060   | 83,160   | 78,120   | 75,180   
   
   
  | 78,960   
   
   | 83,160  
   
  | 76,440   | 78,540  
  | 83,580   | 75,180   | 74,340   | 75,180   | 70,560  | 80,640   | 76,440   | 78,540   | 78,120  
   | 76,020   | 75,600  | 68,880   | Drainage  | Basin  |  |  |
| 14,493    | 449,280                                       | 15,660   | 15,390  | 16,110   | 13,950  | 15,390   | 16,470  | 13,860   | 14,490  | 15,750   | 14,850  | 14,670   | 16,830   | 14,400   | 16,020   
   
   
  | 14,940   
   
   | 15,750  
   
  | 15,390   | 16,110  
  | 14,130   | 15,750   | 14,580   | 13,410   | 14,580  | 14,400   | 14,220   | 14,670   | 15,030  
   | 14,850   | 13,590  | 14,040   | Cooling   | Pump   |  |  |
| 9,058     | 280,800                                       | 9,360  | 9,360   | 9,360  | 9,360   | 9,360  | 9,360   | 9,360  | 9,360   | 9,360  | 9,360   | 9,360  | 9,360  | 9,360  | 9,360  
   
   
  | 9,360  
   
   | 9,360   
   
  | 9,360  | 9,360   
  | 9,360  | 9,360  | 9,360  | 9,360  | 9,360   | 9,360  | 9,360  | 9,360  | 9,360   
   | 9,360  | 9,360   | 9,360  | Inst. Usage   |  |  |  |
| 194,964   | 6,043,880                                     | 276,260  | 257,810   | 127,430  | 248,910   | 257,610  | 128,410   | 250,220  | 253,470   | 190,750  | 186,650   | 254,590  | 133,550  | 250,380  | 122,660  
   
   
  | 251,660  
   
   | 258,270   
   
  | 187,490  | 127,510   
  | 276,770  | 185,890  | 119,480  | 266,150  | 115,400   | 253,300  | 122,320  | 187,470  | 188,310   
   | 185,430  | 266,850   | 112,880  | Total Usage   |  |  |  |
| 3         | 18.0 22,590 48,774 24,516 75,532 14,493 9,058 | 514.9 557.5 700,300 1,512,000 760,000 2,341,500 449,280 280,800 16.6 18.0 22,590 48,774 24,516 75,532 14,493 9,058 | 17.4 18.7 46,300 86,400 40,000 78,540 15,660 9,360 514.9 557.5 700,300 1,512,000 760,000 2,341,500 449,280 280,800 16.6 18.0 22,590 48,774 24,516 75,532 14,493 9,058 | 18.8     19.8     23,500     86,400     40,000     83,160     15,390     9,360       17.4     18.7     46,300     86,400     40,000     78,540     15,660     9,360       514.9     557.5     700,300     1,512,000     760,000     2,341,500     449,280     280,800       16.6     18.0     22,590     48,774     24,516     75,532     14,493     9,058 | 18.0     18.8     23,000     0     78,960     16,110     9,360       18.8     19.8     23,500     86,400     40,000     83,160     15,390     9,360       17.4     18.7     46,300     86,400     40,000     78,540     15,660     9,360       514.9     557.5     700,300     1,512,000     760,000     2,341,500     449,280     280,800       16.6     18.0     22,590     48,774     24,516     75,532     14,493     9,058 | 17.2     18.5     21,500     86,400     40,000     77,700     13,950     9,360       18.0     18.8     23,000     0     0     78,960     16,110     9,360       18.8     19.8     23,500     86,400     40,000     83,160     15,390     9,360       17.4     18.7     46,300     86,400     40,000     78,540     15,660     9,360       514.9     557.5     700,300     1,512,000     760,000     2,341,500     449,280     280,800       16.6     18.0     22,590     48,774     24,516     75,532     14,493     9,058 | 17.1     19.8     23,300     86,400     40,000     83,160     15,390     9,360       17.2     18.5     21,500     86,400     40,000     77,700     13,950     9,360       18.0     18.8     23,000     0     0     78,960     16,110     9,360       18.8     19.8     23,500     86,400     40,000     83,160     15,390     9,360       17.4     18.7     46,300     86,400     40,000     78,540     15,660     9,360       514.9     557.5     700,300     1,512,000     760,000     2,341,500     449,280     280,800       16.6     18.0     22,590     48,774     24,516     75,532     14,493     9,058 | 18.5     18.9     23,200     0     79,380     16,470     9,360       17.1     19.8     23,300     86,400     40,000     83,160     15,390     9,360       17.2     18.5     21,500     86,400     40,000     77,700     13,950     9,360       18.0     18.8     23,000     0     0     78,960     16,110     9,360       18.8     19.8     23,500     86,400     40,000     83,160     15,390     9,360       17.4     18.7     46,300     86,400     40,000     78,540     15,660     9,360       514.9     557.5     700,300     1,512,000     760,000     2,341,500     449,280     280,800       16.6     18.0     22,590     48,774     24,516     75,532     14,493     9,058 | 17.3     18.5     22,900     86,400     40,000     77,700     13,860     9,360       18.5     18.9     23,200     0     0     79,380     16,470     9,360       17.1     19.8     23,300     86,400     40,000     83,160     15,390     9,360       17.2     18.5     21,500     86,400     40,000     77,700     13,950     9,360       18.0     18.8     23,000     0     0     78,960     16,110     9,360       18.8     19.8     23,500     86,400     40,000     83,160     15,390     9,360       17.4     18.7     46,300     86,400     40,000     78,540     15,660     9,360       514.9     557.5     700,300     1,512,000     760,000     2,341,500     449,280     280,800       16.6     18.0     22,590     48,774     24,516     75,532     14,493     9,058 | 18.0     19.1     23,000     86,400     40,000     80,220     14,490     9,360       17.3     18.5     22,900     86,400     40,000     77,700     13,860     9,360       18.5     18.9     23,200     0     0     79,380     16,470     9,360       17.1     19.8     23,300     86,400     40,000     83,160     15,390     9,360       17.2     18.5     21,500     86,400     40,000     77,700     13,950     9,360       18.0     18.8     23,000     0     0     78,960     16,110     9,360       17.4     18.7     46,300     86,400     40,000     83,160     15,390     9,360       17.4     18.7     46,300     86,400     40,000     78,540     15,660     9,360       514.9     557.5     700,300     1,512,000     760,000     2,341,500     449,280     280,800       16.6     18.0     22,590     48,774     24,516     75,532     14,493     9,058 | 18.0     18.7     23,900     43,200     20,000     78,540     15,750     9,360       18.0     19.1     23,000     86,400     40,000     80,220     14,490     9,360       17.3     18.5     22,900     86,400     40,000     77,700     13,860     9,360       18.5     18.9     23,200     0     0     79,380     16,470     9,360       17.1     19.8     23,300     86,400     40,000     83,160     15,390     9,360       17.2     18.5     21,500     86,400     40,000     77,700     13,950     9,360       18.0     18.8     23,000     0     0     78,960     16,110     9,360       17.4     18.7     46,300     86,400     40,000     78,960     15,390     9,360       17.4     18.7     46,300     86,400     40,000     78,540     15,660     9,360       514.9     557.5     700,300     1,512,000     760,000     2,341,500     449,280     280,800       16.6     18.0     22,590     48,774     24,516     75,532     14,493     9,058 | 17.5     18.2     22,800     43,200     20,000     76,440     14,850     9,360       18.0     18.7     23,900     43,200     20,000     78,540     15,750     9,360       18.0     19.1     23,000     86,400     40,000     80,220     14,490     9,360       17.3     18.5     22,900     86,400     40,000     77,700     13,860     9,360       18.5     18.9     23,200     0     0     79,380     16,470     9,360       17.1     19.8     23,300     86,400     40,000     83,160     15,390     9,360       18.0     18.5     21,500     86,400     40,000     77,700     13,950     9,360       18.8     19.8     23,500     0     0     78,960     16,110     9,360       17.4     18.7     46,300     86,400     40,000     78,540     15,390     9,360       17.4     18.7     46,300     86,400     40,000     78,540     15,660     9,360       16.6     18.0     22,590     48,774     24,516     75,532     14,493     9,058 | 18.1     19.3     23,100     86,400     40,000     81,060     14,670     9,360       17.5     18.2     22,800     43,200     20,000     76,440     14,850     9,360       18.0     18.7     23,900     43,200     20,000     78,540     15,750     9,360       18.0     19.1     23,000     86,400     40,000     80,220     14,490     9,360       17.3     18.5     22,900     86,400     40,000     77,700     13,860     9,360       17.1     19.8     23,200     0     0     79,380     16,470     9,360       17.2     18.5     21,500     86,400     40,000     83,160     15,390     9,360       18.0     18.8     23,000     0     0     78,960     16,110     9,360       18.8     19.8     23,500     86,400     40,000     77,700     13,950     9,360       18.9     18.7     46,300     86,400     40,000     78,960     16,110     9,360       17.4     18.7     46,300     86,400     40,000     78,540     15,390     9,360       18.9     23,500     86,400     40,000     78,540     15,660     9,360       19.4     18.7 | 19.2     19.8     24,200     0     0     83,160     16,830     9,360       18.1     19.3     23,100     86,400     40,000     81,060     14,670     9,360       17.5     18.2     22,800     43,200     20,000     76,440     14,850     9,360       18.0     18.7     23,900     43,200     20,000     78,540     15,750     9,360       17.3     18.5     22,900     86,400     40,000     77,700     13,860     9,360       17.1     19.8     23,200     0     0     79,380     16,470     9,360       17.2     18.5     21,500     86,400     40,000     77,700     13,860     9,360       18.8     19.8     23,300     86,400     40,000     77,700     13,950     9,360       18.8     19.8     23,500     86,400     40,000     77,700     13,950     9,360       18.9     18.7     46,300     86,400     40,000     77,700     13,950     9,360       18.9     18.7     46,300     86,400     40,000     78,960     16,110     9,360       18.9     18.7     46,300     86,400     40,000     78,540     15,660     9,360       18.9 | 17.7     18.6     22,100     86,400     40,000     78,120     14,400     9,360       19.2     19.8     24,200     0     0     83,160     16,830     9,360       18.1     19.3     23,100     86,400     40,000     81,060     14,670     9,360       17.5     18.2     22,800     43,200     20,000     76,440     14,850     9,360       18.0     18.7     23,900     43,200     20,000     78,540     15,750     9,360       17.3     18.5     22,900     86,400     40,000     77,700     13,860     9,360       17.1     19.8     23,200     0     0     79,380     16,470     9,360       17.2     18.5     21,500     86,400     40,000     77,700     13,860     9,360       18.0     18.9     23,300     86,400     40,000     77,700     13,950     9,360       18.0     18.8     23,500     86,400     40,000     77,700     13,950     9,360       18.8     19.8     23,500     86,400     40,000     77,700     13,950     9,360       18.9     23,500     86,400     40,000     78,960     16,110     9,360       18.9     23,500 <td>17.7     17.9     22,100     0     75,180     16,020     9,360       17.7     18.6     22,100     86,400     40,000     78,120     14,400     9,360       19.2     19.8     24,200     0     0     83,160     16,830     9,360       18.1     19.3     23,100     86,400     40,000     81,060     14,850     9,360       18.0     18.7     23,900     43,200     20,000     76,440     14,850     9,360       18.0     18.7     23,900     43,200     20,000     78,540     15,750     9,360       18.0     19.1     23,000     86,400     40,000     77,700     13,860     9,360       17.3     18.5     22,900     86,400     40,000     77,700     13,860     9,360       17.1    
19.8     23,200     0     0     79,380     16,470     9,360       18.0     18.5     21,500     86,400     40,000     77,700     13,860     9,360       18.0     18.8     23,300     86,400     40,000     77,700     13,950     9,360       18.0     18.8     23,500     86,400     40,000     77,700     13,950     9,360       18.0     18.7     <t< td=""><td>17.5     18.8     22,000     86,400     40,000     78,960     14,940     9,360       17.7     17.9     22,100     0     0     75,180     16,020     9,360       17.7     18.6     22,100     86,400     40,000     78,120     14,400     9,360       19.2     19.8     24,200     0     0     83,160     16,830     9,360       18.1     19.3     23,100     86,400     40,000     81,060     14,670     9,360       18.0     18.7     23,900     43,200     20,000     76,440     14,850     9,360       18.0     18.7     23,900     43,200     20,000     78,540     15,750     9,360       18.0     19.1     23,000     86,400     40,000     77,700     13,860     9,360       17.1     19.8     23,200     0     0     79,380     16,470     9,360       17.2     18.5     21,500     86,400     40,000     83,160     15,390     9,360       18.8     19.8     23,500     86,400     40,000     77,700     13,950     9,360       18.9     23,500     86,400     40,000     77,700     13,950     9,360       18.9     23,500     <td< td=""><td>19.4         19.8         23,600         86,400         40,000         83,160         15,750         9,360           17.5         18.8         22,000         86,400         40,000         78,960         14,940         9,360           17.7         17.9         22,100         0         0         75,180         16,020         9,360           17.7         18.6         22,100         86,400         40,000         78,120         14,400         9,360           19.2         19.8         24,200         0         0         83,160         16,830         9,360           18.1         19.3         23,100         86,400         40,000         81,060         14,670         9,360           18.0         18.7         23,900         43,200         20,000         76,440         14,850         9,360           18.0         18.7         23,900         43,200         20,000         78,540         15,750         9,360           18.0         18.1         23,000         86,400         40,000         80,220         14,490         9,360           18.5         21,500         86,400         40,000         77,700         13,860         9,360           18.0&lt;</td><td>17.5         18.2         23,100         43,200         20,000         76,440         15,390         9,360           19.4         19.8         23,600         86,400         40,000         83,160         15,750         9,360           17.5         18.8         22,000         86,400         40,000         78,960         14,940         9,360           17.7         17.9         22,100         0         0         75,180         16,020         9,360           17.7         18.6         22,100         0         0         75,180         16,020         9,360           19.2         19.8         24,200         0         0         83,160         16,830         9,360           18.1         19.3         23,100         86,400         40,000         76,440         14,670         9,360           18.0         18.7         23,900         43,200         20,000         76,440         14,850         9,360           18.0         19.1         23,000         86,400         40,000         77,700         13,860         9,360           18.5         18.9         23,200         0         79,380         16,470         9,360           18.6</td><td>18.1         18.7         23,500         0         78,540         16,110         9,360           17.5         18.2         23,100         43,200         20,000         76,440         15,390         9,360           19.4         19.8         23,600         86,400         40,000         83,160         15,750         9,360           17.5         18.8         22,000         86,400         40,000         78,960         14,940         9,360           17.7         17.9         22,100         0         0         75,180         16,020         9,360           17.7         18.6         22,100         86,400         40,000         78,120         14,400         9,360           19.2         19.8         24,200         0         0         75,180         16,020         9,360           18.1         19.3         23,100         86,400         40,000         81,060         14,670         9,360           18.0         18.7         23,900         43,200         20,000         78,540         15,750         9,360           18.5         22,900         86,400         40,000         77,700         13,860         9,360           18.0         18.9</td><td>18.6         19.9         23,300         86,400         60,000         83,580         14,130         9,360           18.1         18.7         23,500         0         0         78,540         16,110         9,360           17.5         18.2         23,100         43,200         20,000         76,440         15,390         9,360           19.4         19.8         23,600         86,400         40,000         78,960         14,940         9,360           17.7         17.9         22,100         0         0         75,180         16,020         9,360           17.7         17.9         22,100         0         0         75,180         16,020         9,360           17.7         18.6         22,100         0         0         75,180         16,020         9,360           18.1         19.3         22,100         0         0         78,120         14,400         9,360           18.1         19.3         23,100         86,400         40,000         76,440         14,850         9,360           18.0         18.7         23,900         43,200         20,000         77,700         13,860         9,360           18.5</td><td>17.7         17.9         22,400         43,200         20,000         75,180         15,750         9,360           18.6         19.9         23,300         86,400         60,000         83,580         14,130         9,360           18.1         18.7         23,500         0         0         78,540         16,110         9,360           17.5         18.2         23,100         43,200         20,000         76,440         15,390         9,360           17.7         18.8         22,000         86,400         40,000         78,960         14,940         9,360           17.7         17.9         22,100         86,400         40,000         78,120         14,400         9,360           17.7         18.6         22,100         86,400         40,000         78,120         14,400         9,360           18.1         19.3         23,100         86,400         40,000         78,120         14,400         9,360           18.0         18.7         23,900         43,200         20,000         76,440         14,850         9,360           18.5         18.9         23,200         0         40,000         77,700         13,860         9,360</td><td>16.6         17.7         21,200         0         74,340         14,580         9,360           17.7         17.9         22,400         43,200         20,000         75,180         15,750         9,360           18.6         19.9         23,300         86,400         60,000         83,580         14,130         9,360           18.1         18.7         23,500         0         0         78,540         16,110         9,360           17.5         18.2         23,100         43,200         20,000         76,440         15,390         9,360           17.5         18.2         23,000         86,400         40,000         76,440         15,390         9,360           17.7         18.8         22,000         86,400         40,000         78,960         14,940         9,360           17.7         18.6         22,100         0         0         75,180         16,020         9,360           17.7         18.6         22,100         0         0         78,120         14,400         9,360           18.0         18.7         23,900         43,200         20,000         76,440         14,670         9,360           18.5</td><td>17.1         17.9         21,800         86,400         60,000         75,180         13,410         9,360           16.6         17.7         21,200         0         74,340         14,580         9,360           17.7         17.9         22,400         43,200         20,000         75,180         15,750         9,360           18.6         19.9         23,300         86,400         60,000         83,580         14,130         9,360           18.1         18.7         23,500         0         76,440         15,750         9,360           17.5         18.2         23,100         43,200         20,000         76,440         15,390         9,360           17.7         18.8         22,000         86,400         40,000         78,160         14,940         9,360           17.7         18.6         22,100         0         0         75,180         16,020         9,360           17.7         18.6         22,100         86,400         40,000         78,120         14,400         9,360           18.1         19.3         23,100         86,400         40,000         76,440         14,850         9,360           18.0         18.7</td><td>16.2         16.8         20,900         0         70,560         14,580         9,360           17.1         17.9         21,800         86,400         60,000         75,180         13,410         9,360           16.6         17.7         21,200         0         0         74,340         14,580         9,360           17.7         17.9         22,400         43,200         20,000         75,180         15,750         9,360           18.6         19.9         23,500         86,400         60,000         83,580         14,130         9,360           18.1         18.7         23,500         86,400         40,000         76,440   
     15,390         9,360           19.4         19.8         23,600         86,400         40,000         78,180         16,750         9,360           17.7         18.6         22,100         86,400         40,000         78,180         16,220         9,360           17.7         18.6         22,100         86,400         40,000         78,120         14,400         9,360           18.1         19.3         23,100         86,400         40,000         76,440         14,900         9,360           18</td><td>18.1         19.2         22,500         86,400         40,000         80,640         14,400         9,360           16.2         16.8         20,900         0         70,560         14,580         9,360           17.1         17.9         21,800         86,400         60,000         75,180         13,410         9,360           17.7         21,200         0         0         75,180         14,580         9,360           17.7         17.9         22,400         43,200         20,000         75,180         14,130         9,360           18.1         18.7         23,300         86,400         60,000         83,580         14,130         9,360           18.1         18.7         23,500         0         0         78,540         16,110         9,360           17.5         18.2         23,100         43,200         20,000         76,440         15,390         9,360           17.7         18.6         22,100         86,400         40,000         78,960         14,940         9,360           17.7         18.6         22,100         86,400         40,000         76,440         14,900         9,360           18.0         18.7</td><td>17.7         18.2         22,300         0         76,440         14,220         9,360           18.1         19.2         22,500         86,400         40,000         80,640         14,400         9,360           17.1         17.2         21,500         86,400         60,000         75,180         13,410         9,360           17.7         17.9         22,400         43,200         20,000         75,180         14,130         9,360           18.6         19.9         23,300         86,400         60,000         83,580         14,130         9,360           18.1         18.7         23,500         0         0         76,440         15,390         9,360           17.5         18.2         23,100         43,200         20,000         76,440         15,390         9,360           17.7         18.8         22,000         86,400         40,000         83,160         15,750         9,360           17.7         18.6         22,100         0         0         75,180         16,020         9,360           17.7         18.6         22,200         86,400         40,000         78,120         14,400         9,360           18.0</td><td>18.1         18.7         21,700         43,200         78,540         14,670         9,360           17.7         18.2         22,300         0         76,440         14,220         9,360           18.1         19.2         22,500         86,400         40,000         80,640         14,400         9,360           16.2         16.8         20,900         0         76,180         14,400         9,360           17.1         17.9         21,800         86,400         60,000         75,180         13,410         9,360           18.6         17.7         21,200         0         0         74,340         14,580         9,360           18.6         19.9         23,300         86,400         60,000         83,580         14,130         9,360           18.1         18.2         23,500         0         0         78,540         16,110         9,360           17.5         18.8         23,500         86,400         40,000         78,960         14,940         9,360           17.7         18.6         22,100         86,400         40,000         78,120         14,400         9,360           18.1         19.3         24,200         &lt;</td><td>17.6         18.6         22,600         43,200         20,000         78,120         15,030         9,360           18.1         18.7         21,700         43,200         20,000         78,540         14,670         9,360           18.1         18.2         22,300         0         0         76,440         14,220         9,360           18.1         19.2         22,500         86,400         40,000         80,640         14,880         9,360           16.2         16.8         20,900         0         0         75,180         13,410         9,360           17.7         17.9         21,200         0         0         74,340         14,580         9,360           18.6         19.9         23,300         86,400         60,000         75,180         15,750         9,360           18.1         18.7         23,500         0         0         78,540         16,110         9,360           17.5         18.2         23,100         86,400         40,000         78,540         15,750         9,360           17.7         18.6         22,100         0         0         78,180         14,940         9,360           18.0</td><td>17.3         18.1         22,000         43,200         20,000         76,020         14,850         9,360           17.6         18.6         22,600         43,200         20,000         78,120         15,030         9,360           17.7         18.2         22,300         0         0         76,440         14,270         9,360           18.1         18.2         22,300         0         0         76,440         14,200         9,360           18.1         19.2         22,500         86,400         40,000         80,640         14,580         9,360           16.6         17.7         21,200         0         0         70,560         14,580         9,360           17.7         17.9         22,400         43,200         20,000         75,180         15,750         9,360           18.6         19.9         23,300         86,400         60,000         76,440         15,390         9,360           18.7         17.9         22,400         40,000         76,440         15,390         9,360           17.7         17.9         22,100         0         0         75,180         14,400         9,360           17.7         18.6&lt;</td><td>16.9         18.0         21,900         86,400         60,000         75,600         13,590         9,360           17.3         18.1         22,000         43,200         20,000         76,020         14,850         9,360           18.1         18.7         22,000         43,200         20,000         76,020         14,850         9,360           18.1         18.7         21,700         43,200         20,000         76,440         14,670         9,360           18.1         19.2         22,500         86,400         40,000         80,640         14,400         9,360           18.1         19.2         22,500         86,400         60,000         75,180         13,410         9,360           17.7         17.9         22,400         40,000         80,640         14,400         9,360           18.6         19.9         23,300         86,400         60,000         75,180         15,750         9,360           17.7         17.9         22,400         40,000         76,540         14,130         9,360           17.7         18.2         23,000         86,400         40,000         78,540         15,750         9,360           17.7</td><td>15.5         16.4         20,600         0         68,880         14,040         9,360           17.3         18.0         21,900         86,400         60,000         75,500         13,590         9,360           17.6         18.6         22,000         43,200         20,000         76,020         14,850         9,360           18.1         18.7         21,700         43,200         20,000         78,440         14,670         9,360           18.1         18.7         21,700         43,200         20,000         76,440         14,220         9,360           18.1         18.7         22,500         86,400         60,000         75,180         13,410         9,360           17.7         17.9         22,400         40,000         80,040         14,580         9,360           17.7         17.9         22,400         43,200         20,000         75,180         15,750         9,360           18.1         18.7         23,300         86,400         60,000         83,580         14,130         9,360           17.5         18.2         23,500         86,400         40,000         76,440         15,380         9,360           17.7</td><td>  No.   Hrs.   Ullify Meter   Backwash   Waste   Drainage   Ca.oling   Inst. Usage   16.9   16.4   20,000   0   0   0   68,880   14,040   9,360   17.3   18.1   22,000   43,200   20,000   75,620   14,850   9,360   17.7   18.2   22,500   43,200   20,000   76,440   14,220   9,360   18.1   18.7   21,700   43,200   20,000   76,440   14,220   9,360   18.1   19.2   22,500   86,400   40,000   75,180   13,410   9,360   17.1   17.9   21,200   0   0   75,180   13,410   9,360   17.7   17.9   22,400   86,400   60,000   75,180   13,410   9,360   17.7   17.9   22,400   43,200   20,000   75,180   13,410   9,360   17.7   17.9   22,400   43,200   20,000   75,180   13,410   9,360   18.6   19.9   23,300   86,400   60,000   75,180   14,580   9,360   17.5   18.2   23,100   43,200   20,000   76,440   14,530   9,360   17.7   17.9   22,100   86,400   40,000   76,440   15,750   9,360   17.7   18.6   22,100   86,400   40,000   76,440   15,750   9,360   17.5   18.2   23,100   43,200   20,000   76,440   15,750   9,360   17.5   18.2   22,100   86,400   40,000   78,120   14,400   9,360   17.5   18.2   22,100   86,400   40,000   76,440   14,850   9,360   18.0   18.1   23,200   86,400   40,000   78,120   14,400   9,360   18.0   18.7   23,200   86,400   40,000   76,440   14,850   9,360   18.5   22,300   86,400   40,000   76,440   14,850   9,360   18.5   23,300   86,400   40,000   77,700   13,860   9,360   18.5   23,300   86,400   40,000   77,700   13,860   9,360   17.4   18.7  
23,300   86,400   40,000   77,700   13,860   9,360   17.4   18.7   23,300   86,400   40,000   77,700   13,860   9,360   17.4   18.7   23,300   86,400   40,000   78,540   15,750   9,360   15,400   9,360  </td><td>RAW         Hrs.         Utility Meter         Backwash         Filter to         Basin         Pump           15.5         16.4         20,600         0         0         0.0         68.400         75,600         13,500         9,360           16.9         18.0         21,900         86,400         60,000         75,600         13,590         9,360           17.3         18.1         22,000         43,200         20,000         76,020         14,850         9,360           18.1         18.2         22,500         43,200         20,000         76,440         14,470         9,360           18.1         18.2         22,500         86,400         40,000         80,640         14,400         9,360           18.1         18.2         22,500         86,400         40,000         75,180         13,410         9,360           17.7         17.9         21,800         86,400         60,000         75,180         13,410         9,360           17.7         17.9         22,400         43,200         20,000         75,180         15,750         9,360           17.7         17.9         23,500         43,200         20,000         76,440         15,390</td></td<></td></t<><td>R.W         Hrs.         Utility Meter         Backwash         Filter to         Basin         Pump           15.5         16.4         20,600         0         0         68,880         14,040         9,360           16.9         18.0         21,900         86,400         60,000         75,600         13,590         9,360           17.3         18.1         22,000         43,200         20,000         76,520         14,850         9,360           17.6         18.6         22,500         43,200         20,000         76,520         14,850         9,360           17.7         18.2         22,300         0         0         76,440         14,400         9,360           18.1         19.2         22,500         86,400         40,000         80,640         14,400         9,360           18.1         19.2         22,500         86,400         60,000         75,160         14,580         9,360           18.6         17.7         21,200         0         0         70,440         14,400         9,360           17.7         17.9         22,400         43,200         20,000         75,180         15,750         9,360           17.7</td></td> | 17.7     17.9     22,100     0     75,180     16,020     9,360       17.7     18.6     22,100     86,400     40,000     78,120     14,400     9,360       19.2     19.8     24,200     0     0     83,160     16,830     9,360       18.1     19.3     23,100     86,400     40,000     81,060     14,850     9,360       18.0     18.7     23,900     43,200     20,000     76,440     14,850     9,360       18.0     18.7     23,900     43,200     20,000     78,540     15,750     9,360       18.0     19.1     23,000     86,400     40,000     77,700     13,860     9,360       17.3     18.5     22,900     86,400     40,000     77,700     13,860     9,360       17.1     19.8     23,200     0     0     79,380     16,470     9,360       18.0     18.5     21,500     86,400     40,000     77,700     13,860     9,360       18.0     18.8     23,300     86,400     40,000     77,700     13,950     9,360       18.0     18.8     23,500     86,400     40,000     77,700     13,950     9,360       18.0     18.7 <t< td=""><td>17.5     18.8     22,000     86,400     40,000     78,960     14,940     9,360       17.7     17.9     22,100     0     0     75,180     16,020     9,360       17.7     18.6     22,100     86,400     40,000     78,120     14,400     9,360       19.2     19.8     24,200     0     0     83,160     16,830     9,360       18.1     19.3     23,100     86,400     40,000     81,060     14,670     9,360       18.0     18.7     23,900     43,200     20,000     76,440     14,850     9,360       18.0     18.7     23,900     43,200     20,000     78,540     15,750     9,360       18.0     19.1     23,000     86,400     40,000     77,700     13,860     9,360       17.1     19.8     23,200     0     0     79,380     16,470     9,360       17.2     18.5     21,500     86,400     40,000     83,160     15,390     9,360       18.8     19.8     23,500     86,400     40,000     77,700     13,950     9,360       18.9     23,500     86,400     40,000     77,700     13,950     9,360       18.9     23,500     <td< td=""><td>19.4         19.8         23,600         86,400         40,000         83,160         15,750         9,360           17.5         18.8         22,000         86,400         40,000         78,960         14,940         9,360           17.7         17.9         22,100         0         0         75,180         16,020         9,360           17.7         18.6         22,100         86,400         40,000         78,120         14,400         9,360           19.2         19.8         24,200         0         0         83,160         16,830         9,360           18.1         19.3         23,100         86,400         40,000         81,060         14,670         9,360           18.0         18.7         23,900         43,200         20,000         76,440         14,850         9,360           18.0         18.7         23,900         43,200         20,000         78,540         15,750         9,360           18.0         18.1         23,000         86,400         40,000         80,220         14,490         9,360           18.5         21,500         86,400         40,000         77,700         13,860         9,360           18.0&lt;</td><td>17.5         18.2         23,100         43,200         20,000         76,440         15,390         9,360           19.4         19.8         23,600         86,400         40,000         83,160         15,750         9,360           17.5         18.8         22,000         86,400         40,000         78,960         14,940         9,360           17.7         17.9         22,100         0         0         75,180         16,020         9,360           17.7         18.6         22,100         0         0         75,180         16,020         9,360           19.2         19.8         24,200         0         0         83,160         16,830         9,360           18.1         19.3         23,100         86,400         40,000         76,440         14,670         9,360           18.0         18.7         23,900         43,200         20,000         76,440         14,850         9,360           18.0         19.1         23,000         86,400         40,000         77,700         13,860         9,360           18.5         18.9         23,200         0         79,380         16,470         9,360           18.6</td><td>18.1         18.7         23,500         0         78,540         16,110         9,360           17.5         18.2         23,100         43,200         20,000         76,440         15,390         9,360           19.4         19.8         23,600         86,400         40,000         83,160         15,750         9,360           17.5         18.8         22,000         86,400         40,000         78,960         14,940         9,360           17.7         17.9         22,100         0         0         75,180         16,020         9,360           17.7         18.6         22,100         86,400         40,000         78,120         14,400         9,360           19.2         19.8         24,200         0         0         75,180         16,020         9,360           18.1         19.3         23,100         86,400         40,000         81,060         14,670         9,360           18.0         18.7         23,900         43,200         20,000         78,540         15,750         9,360           18.5         22,900         86,400         40,000         77,700         13,860         9,360           18.0         18.9</td><td>18.6         19.9         23,300         86,400         60,000         83,580         14,130         9,360           18.1         18.7         23,500         0         0         78,540         16,110         9,360           17.5         18.2         23,100         43,200         20,000         76,440         15,390         9,360           19.4         19.8         23,600         86,400         40,000         78,960         14,940         9,360           17.7         17.9         22,100         0         0         75,180         16,020         9,360           17.7         17.9         22,100         0         0         75,180         16,020         9,360           17.7         18.6         22,100         0         0         75,180         16,020         9,360           18.1         19.3         22,100         0         0         78,120         14,400         9,360           18.1         19.3         23,100         86,400         40,000         76,440         14,850         9,360           18.0         18.7         23,900         43,200         20,000         77,700         13,860         9,360           18.5</td><td>17.7         17.9         22,400         43,200         20,000         75,180         15,750         9,360           18.6         19.9         23,300         86,400         60,000         83,580         14,130         9,360           18.1         18.7         23,500         0         0         78,540         16,110         9,360           17.5         18.2         23,100         43,200         20,000         76,440         15,390         9,360           17.7         18.8         22,000
        86,400         40,000         78,960         14,940         9,360           17.7         17.9         22,100         86,400         40,000         78,120         14,400         9,360           17.7         18.6         22,100         86,400         40,000         78,120         14,400         9,360           18.1         19.3         23,100         86,400         40,000         78,120         14,400         9,360           18.0         18.7         23,900         43,200         20,000         76,440         14,850         9,360           18.5         18.9         23,200         0         40,000         77,700         13,860         9,360</td><td>16.6         17.7         21,200         0         74,340         14,580         9,360           17.7         17.9         22,400         43,200         20,000         75,180         15,750         9,360           18.6         19.9         23,300         86,400         60,000         83,580         14,130         9,360           18.1         18.7         23,500         0         0         78,540         16,110         9,360           17.5         18.2         23,100         43,200         20,000         76,440         15,390         9,360           17.5         18.2         23,000         86,400         40,000         76,440         15,390         9,360           17.7         18.8         22,000         86,400         40,000         78,960         14,940         9,360           17.7         18.6         22,100         0         0         75,180         16,020         9,360           17.7         18.6         22,100         0         0         78,120         14,400         9,360           18.0         18.7         23,900         43,200         20,000         76,440         14,670         9,360           18.5</td><td>17.1         17.9         21,800         86,400         60,000         75,180         13,410         9,360           16.6         17.7         21,200         0         74,340         14,580         9,360           17.7         17.9         22,400         43,200         20,000         75,180         15,750         9,360           18.6         19.9         23,300         86,400         60,000         83,580         14,130         9,360           18.1         18.7         23,500         0         76,440         15,750         9,360           17.5         18.2         23,100         43,200         20,000         76,440         15,390         9,360           17.7         18.8         22,000         86,400         40,000         78,160         14,940         9,360           17.7         18.6         22,100         0         0         75,180         16,020         9,360           17.7         18.6         22,100         86,400         40,000         78,120         14,400         9,360           18.1         19.3         23,100         86,400         40,000         76,440         14,850         9,360           18.0         18.7</td><td>16.2         16.8         20,900         0         70,560         14,580         9,360           17.1         17.9         21,800         86,400         60,000         75,180         13,410         9,360           16.6         17.7         21,200         0         0         74,340         14,580         9,360           17.7         17.9         22,400         43,200         20,000         75,180         15,750         9,360           18.6         19.9         23,500         86,400         60,000         83,580         14,130         9,360           18.1         18.7         23,500         86,400         40,000         76,440         15,390         9,360           19.4         19.8         23,600         86,400         40,000         78,180         16,750         9,360           17.7         18.6         22,100         86,400         40,000         78,180         16,220         9,360           17.7         18.6         22,100         86,400         40,000         78,120         14,400         9,360           18.1         19.3         23,100         86,400         40,000         76,440         14,900         9,360           18</td><td>18.1         19.2         22,500         86,400         40,000         80,640         14,400         9,360           16.2         16.8         20,900         0         70,560         14,580         9,360           17.1         17.9         21,800         86,400         60,000         75,180         13,410         9,360           17.7         21,200         0         0         75,180         14,580         9,360           17.7         17.9         22,400         43,200         20,000         75,180         14,130         9,360           18.1         18.7         23,300         86,400         60,000         83,580         14,130         9,360           18.1         18.7         23,500         0         0         78,540         16,110         9,360           17.5         18.2         23,100         43,200         20,000         76,440         15,390         9,360           17.7         18.6         22,100         86,400         40,000         78,960         14,940         9,360           17.7         18.6         22,100         86,400         40,000         76,440         14,900         9,360           18.0         18.7</td><td>17.7         18.2         22,300         0         76,440         14,220         9,360           18.1         19.2         22,500         86,400         40,000         80,640         14,400         9,360           17.1         17.2         21,500         86,400         60,000         75,180         13,410         9,360           17.7         17.9         22,400         43,200         20,000         75,180         14,130         9,360           18.6         19.9         23,300         86,400         60,000         83,580         14,130         9,360           18.1         18.7         23,500         0         0         76,440         15,390         9,360           17.5         18.2         23,100         43,200         20,000         76,440         15,390         9,360           17.7         18.8         22,000         86,400         40,000         83,160         15,750         9,360           17.7         18.6         22,100         0         0         75,180         16,020         9,360           17.7         18.6         22,200         86,400         40,000         78,120         14,400         9,360           18.0</td><td>18.1         18.7         21,700         43,200         78,540         14,670         9,360           17.7         18.2         22,300         0         76,440         14,220         9,360           18.1         19.2         22,500         86,400         40,000         80,640         14,400         9,360           16.2         16.8         20,900         0         76,180         14,400         9,360           17.1         17.9         21,800         86,400         60,000         75,180         13,410         9,360           18.6         17.7         21,200         0         0         74,340         14,580         9,360           18.6         19.9         23,300         86,400         60,000         83,580         14,130         9,360           18.1         18.2         23,500         0         0         78,540         16,110         9,360           17.5         18.8         23,500         86,400         40,000         78,960         14,940         9,360           17.7         18.6         22,100         86,400         40,000         78,120         14,400         9,360           18.1         19.3         24,200         &lt;</td><td>17.6         18.6         22,600         43,200         20,000         78,120         15,030         9,360           18.1         18.7         21,700         43,200         20,000         78,540         14,670         9,360           18.1         18.2         22,300         0         0         76,440         14,220         9,360           18.1         19.2         22,500         86,400         40,000         80,640         14,880         9,360           16.2         16.8         20,900         0         0         75,180         13,410         9,360           17.7         17.9         21,200         0         0         74,340         14,580         9,360           18.6         19.9         23,300         86,400         60,000         75,180         15,750         9,360           18.1         18.7         23,500         0         0         78,540         16,110         9,360           17.5         18.2         23,100         86,400         40,000         78,540         15,750         9,360           17.7         18.6         22,100         0         0         78,180         14,940         9,360           18.0</td><td>17.3         18.1         22,000         43,200         20,000         76,020         14,850         9,360           17.6         18.6         22,600         43,200         20,000         78,120         15,030         9,360           17.7         18.2         22,300         0         0         76,440         14,270         9,360           18.1         18.2         22,300         0         0         76,440         14,200         9,360           18.1         19.2         22,500         86,400         40,000         80,640         14,580         9,360           16.6         17.7         21,200         0         0         70,560         14,580         9,360           17.7         17.9         22,400         43,200         20,000         75,180         15,750         9,360           18.6         19.9         23,300         86,400         60,000         76,440         15,390         9,360           18.7         17.9         22,400         40,000         76,440         15,390         9,360           17.7         17.9         22,100         0         0         75,180         14,400         9,360           17.7         18.6&lt;</td><td>16.9         18.0         21,900         86,400         60,000         75,600         13,590         9,360           17.3         18.1         22,000         43,200         20,000         76,020
        14,850         9,360           18.1         18.7         22,000         43,200         20,000         76,020         14,850         9,360           18.1         18.7         21,700         43,200         20,000         76,440         14,670         9,360           18.1         19.2         22,500         86,400         40,000         80,640         14,400         9,360           18.1         19.2         22,500         86,400         60,000         75,180         13,410         9,360           17.7         17.9         22,400         40,000         80,640         14,400         9,360           18.6         19.9         23,300         86,400         60,000         75,180         15,750         9,360           17.7         17.9         22,400         40,000         76,540         14,130         9,360           17.7         18.2         23,000         86,400         40,000         78,540         15,750         9,360           17.7</td><td>15.5         16.4         20,600         0         68,880         14,040         9,360           17.3         18.0         21,900         86,400         60,000         75,500         13,590         9,360           17.6         18.6         22,000         43,200         20,000         76,020         14,850         9,360           18.1         18.7         21,700         43,200         20,000         78,440         14,670         9,360           18.1         18.7         21,700         43,200         20,000         76,440         14,220         9,360           18.1         18.7         22,500         86,400         60,000         75,180         13,410         9,360           17.7         17.9         22,400         40,000         80,040         14,580         9,360           17.7         17.9         22,400         43,200         20,000         75,180         15,750         9,360           18.1         18.7         23,300         86,400         60,000         83,580         14,130         9,360           17.5         18.2         23,500         86,400         40,000         76,440         15,380         9,360           17.7</td><td>  No.   Hrs.   Ullify Meter   Backwash   Waste   Drainage   Ca.oling   Inst. Usage   16.9   16.4   20,000   0   0   0   68,880   14,040   9,360   17.3   18.1   22,000   43,200   20,000   75,620   14,850   9,360   17.7   18.2   22,500   43,200   20,000   76,440   14,220   9,360   18.1   18.7   21,700   43,200   20,000   76,440   14,220   9,360   18.1   19.2   22,500   86,400   40,000   75,180   13,410   9,360   17.1   17.9   21,200   0   0   75,180   13,410   9,360   17.7   17.9   22,400   86,400   60,000   75,180   13,410   9,360   17.7   17.9   22,400   43,200   20,000   75,180   13,410   9,360   17.7   17.9   22,400   43,200   20,000   75,180   13,410   9,360   18.6   19.9   23,300   86,400   60,000   75,180   14,580   9,360   17.5   18.2   23,100   43,200   20,000   76,440   14,530   9,360   17.7   17.9   22,100   86,400   40,000   76,440   15,750   9,360   17.7   18.6   22,100   86,400   40,000   76,440   15,750   9,360   17.5   18.2   23,100   43,200   20,000   76,440   15,750   9,360   17.5   18.2   22,100   86,400   40,000   78,120   14,400   9,360   17.5   18.2   22,100   86,400   40,000   76,440   14,850   9,360   18.0   18.1   23,200   86,400   40,000   78,120   14,400   9,360   18.0   18.7   23,200   86,400   40,000   76,440   14,850   9,360   18.5   22,300   86,400   40,000   76,440   14,850   9,360   18.5   23,300   86,400   40,000   77,700   13,860   9,360   18.5   23,300   86,400   40,000   77,700   13,860   9,360   17.4   18.7   23,300   86,400   40,000   77,700   13,860   9,360   17.4   18.7   23,300   86,400   40,000   77,700   13,860   9,360   17.4   18.7   23,300   86,400   40,000   78,540   15,750   9,360   15,400   9,360  </td><td>RAW         Hrs.         Utility Meter         Backwash         Filter to         Basin         Pump           15.5         16.4         20,600         0         0         0.0         68.400         75,600         13,500         9,360           16.9         18.0         21,900         86,400         60,000         75,600         13,590         9,360           17.3         18.1         22,000         43,200         20,000         76,020         14,850         9,360           18.1         18.2         22,500         43,200         20,000         76,440         14,470         9,360           18.1         18.2         22,500         86,400         40,000         80,640         14,400         9,360           18.1         18.2         22,500         86,400         40,000         75,180         13,410         9,360           17.7         17.9         21,800         86,400         60,000         75,180         13,410         9,360           17.7         17.9         22,400         43,200         20,000         75,180         15,750         9,360           17.7         17.9         23,500         43,200         20,000         76,440         15,390</td></td<></td></t<> <td>R.W         Hrs.         Utility Meter         Backwash         Filter to         Basin         Pump           15.5         16.4         20,600         0         0         68,880         14,040         9,360           16.9         18.0         21,900         86,400         60,000         75,600         13,590         9,360           17.3         18.1         22,000         43,200         20,000         76,520         14,850         9,360           17.6         18.6         22,500         43,200         20,000         76,520         14,850         9,360           17.7         18.2         22,300         0         0         76,440         14,400         9,360           18.1         19.2         22,500         86,400         40,000         80,640         14,400         9,360           18.1         19.2         22,500         86,400         60,000         75,160         14,580         9,360           18.6         17.7         21,200         0         0         70,440         14,400         9,360           17.7         17.9         22,400         43,200         20,000         75,180         15,750         9,360           17.7</td> | 17.5     18.8     22,000     86,400     40,000     78,960     14,940     9,360       17.7     17.9     22,100     0     0     75,180     16,020     9,360       17.7     18.6     22,100     86,400     40,000     78,120     14,400     9,360       19.2     19.8     24,200     0     0     83,160     16,830     9,360       18.1     19.3     23,100     86,400     40,000     81,060     14,670     9,360       18.0     18.7     23,900     43,200     20,000     76,440     14,850     9,360       18.0     18.7     23,900     43,200     20,000     78,540     15,750     9,360       18.0     19.1     23,000     86,400     40,000     77,700     13,860     9,360       17.1     19.8     23,200     0     0     79,380     16,470     9,360       17.2     18.5     21,500     86,400     40,000     83,160     15,390     9,360       18.8     19.8     23,500     86,400     40,000     77,700     13,950     9,360       18.9     23,500     86,400     40,000     77,700     13,950     9,360       18.9     23,500 <td< td=""><td>19.4         19.8         23,600         86,400         40,000         83,160         15,750         9,360           17.5         18.8         22,000         86,400         40,000         78,960         14,940         9,360           17.7         17.9         22,100         0         0         75,180         16,020         9,360           17.7         18.6         22,100         86,400         40,000         78,120         14,400         9,360           19.2         19.8         24,200         0         0         83,160         16,830         9,360           18.1         19.3         23,100         86,400         40,000         81,060         14,670         9,360           18.0         18.7         23,900         43,200         20,000         76,440         14,850         9,360           18.0         18.7         23,900         43,200         20,000         78,540         15,750         9,360           18.0         18.1         23,000         86,400         40,000         80,220         14,490         9,360           18.5         21,500         86,400         40,000         77,700         13,860         9,360           18.0&lt;</td><td>17.5         18.2         23,100         43,200         20,000         76,440         15,390         9,360           19.4         19.8         23,600         86,400         40,000         83,160         15,750         9,360           17.5         18.8         22,000         86,400         40,000         78,960         14,940         9,360           17.7         17.9         22,100         0         0         75,180         16,020         9,360           17.7         18.6         22,100         0         0         75,180         16,020         9,360           19.2         19.8         24,200         0         0         83,160         16,830         9,360           18.1         19.3         23,100         86,400         40,000         76,440         14,670         9,360           18.0         18.7         23,900         43,200         20,000         76,440         14,850         9,360           18.0         19.1         23,000         86,400         40,000         77,700         13,860         9,360           18.5         18.9         23,200         0         79,380         16,470         9,360           18.6</td><td>18.1         18.7         23,500         0         78,540         16,110         9,360           17.5         18.2         23,100         43,200         20,000         76,440         15,390         9,360        
  19.4         19.8         23,600         86,400         40,000         83,160         15,750         9,360           17.5         18.8         22,000         86,400         40,000         78,960         14,940         9,360           17.7         17.9         22,100         0         0         75,180         16,020         9,360           17.7         18.6         22,100         86,400         40,000         78,120         14,400         9,360           19.2         19.8         24,200         0         0         75,180         16,020         9,360           18.1         19.3         23,100         86,400         40,000         81,060         14,670         9,360           18.0         18.7         23,900         43,200         20,000         78,540         15,750         9,360           18.5         22,900         86,400         40,000         77,700         13,860         9,360           18.0         18.9</td><td>18.6         19.9         23,300         86,400         60,000         83,580         14,130         9,360           18.1         18.7         23,500         0         0         78,540         16,110         9,360           17.5         18.2         23,100         43,200         20,000         76,440         15,390         9,360           19.4         19.8         23,600         86,400         40,000         78,960         14,940         9,360           17.7         17.9         22,100         0         0         75,180         16,020         9,360           17.7         17.9         22,100         0         0         75,180         16,020         9,360           17.7         18.6         22,100         0         0         75,180         16,020         9,360           18.1         19.3         22,100         0         0         78,120         14,400         9,360           18.1         19.3         23,100         86,400         40,000         76,440         14,850         9,360           18.0         18.7         23,900         43,200         20,000         77,700         13,860         9,360           18.5</td><td>17.7         17.9         22,400         43,200         20,000         75,180         15,750         9,360           18.6         19.9         23,300         86,400         60,000         83,580         14,130         9,360           18.1         18.7         23,500         0         0         78,540         16,110         9,360           17.5         18.2         23,100         43,200         20,000         76,440         15,390         9,360           17.7         18.8         22,000         86,400         40,000         78,960         14,940         9,360           17.7         17.9         22,100         86,400         40,000         78,120         14,400         9,360           17.7         18.6         22,100         86,400         40,000         78,120         14,400         9,360           18.1         19.3         23,100         86,400         40,000         78,120         14,400         9,360           18.0         18.7         23,900         43,200         20,000         76,440         14,850         9,360           18.5         18.9         23,200         0         40,000         77,700         13,860         9,360</td><td>16.6         17.7         21,200         0         74,340         14,580         9,360           17.7         17.9         22,400         43,200         20,000         75,180         15,750         9,360           18.6         19.9         23,300         86,400         60,000         83,580         14,130         9,360           18.1         18.7         23,500         0         0         78,540         16,110         9,360           17.5         18.2         23,100         43,200         20,000         76,440         15,390         9,360           17.5         18.2         23,000         86,400         40,000         76,440         15,390         9,360           17.7         18.8         22,000         86,400         40,000         78,960         14,940         9,360           17.7         18.6         22,100         0         0         75,180         16,020         9,360           17.7         18.6         22,100         0         0         78,120         14,400         9,360           18.0         18.7         23,900         43,200         20,000         76,440         14,670         9,360           18.5</td><td>17.1         17.9         21,800         86,400         60,000         75,180         13,410         9,360           16.6         17.7         21,200         0         74,340         14,580         9,360           17.7         17.9         22,400         43,200         20,000         75,180         15,750         9,360           18.6         19.9         23,300         86,400         60,000         83,580         14,130         9,360           18.1         18.7         23,500         0         76,440         15,750         9,360           17.5         18.2         23,100         43,200         20,000         76,440         15,390         9,360           17.7         18.8         22,000         86,400         40,000         78,160         14,940         9,360           17.7         18.6         22,100         0         0         75,180         16,020         9,360           17.7         18.6         22,100         86,400         40,000         78,120         14,400         9,360           18.1         19.3         23,100         86,400         40,000         76,440         14,850         9,360           18.0         18.7</td><td>16.2         16.8         20,900         0         70,560         14,580         9,360           17.1         17.9         21,800         86,400         60,000         75,180         13,410         9,360           16.6         17.7         21,200         0         0         74,340         14,580         9,360           17.7         17.9         22,400         43,200         20,000         75,180         15,750         9,360           18.6         19.9         23,500         86,400         60,000         83,580         14,130         9,360           18.1         18.7         23,500         86,400         40,000         76,440         15,390         9,360           19.4         19.8         23,600         86,400         40,000         78,180         16,750         9,360           17.7         18.6         22,100         86,400         40,000         78,180         16,220         9,360           17.7         18.6         22,100         86,400         40,000         78,120         14,400         9,360           18.1         19.3         23,100         86,400         40,000         76,440         14,900         9,360           18</td><td>18.1         19.2         22,500         86,400         40,000         80,640         14,400         9,360           16.2         16.8         20,900         0         70,560         14,580         9,360           17.1         17.9         21,800         86,400         60,000         75,180         13,410         9,360           17.7         21,200         0         0         75,180         14,580         9,360           17.7         17.9         22,400         43,200         20,000         75,180         14,130         9,360           18.1         18.7         23,300         86,400         60,000         83,580         14,130         9,360           18.1         18.7         23,500         0         0         78,540         16,110         9,360           17.5         18.2         23,100         43,200         20,000         76,440         15,390         9,360           17.7         18.6         22,100         86,400         40,000         78,960         14,940         9,360           17.7         18.6         22,100         86,400         40,000         76,440         14,900         9,360           18.0         18.7</td><td>17.7         18.2         22,300         0         76,440         14,220         9,360           18.1         19.2         22,500         86,400         40,000         80,640         14,400         9,360           17.1         17.2         21,500         86,400         60,000         75,180         13,410         9,360           17.7         17.9         22,400         43,200         20,000         75,180         14,130         9,360           18.6         19.9         23,300         86,400         60,000         83,580         14,130         9,360           18.1         18.7         23,500         0         0         76,440         15,390         9,360           17.5         18.2         23,100         43,200         20,000         76,440         15,390         9,360           17.7         18.8         22,000         86,400         40,000         83,160         15,750         9,360           17.7         18.6         22,100         0         0         75,180         16,020         9,360           17.7         18.6         22,200         86,400         40,000         78,120         14,400         9,360           18.0</td><td>18.1         18.7         21,700         43,200         78,540         14,670         9,360           17.7         18.2         22,300         0         76,440         14,220         9,360           18.1         19.2         22,500         86,400         40,000         80,640         14,400         9,360           16.2         16.8         20,900         0         76,180         14,400         9,360           17.1         17.9         21,800         86,400         60,000         75,180         13,410         9,360           18.6         17.7         21,200         0         0         74,340         14,580         9,360           18.6         19.9         23,300         86,400         60,000         83,580         14,130         9,360           18.1         18.2         23,500         0         0         78,540         16,110         9,360           17.5         18.8         23,500         86,400         40,000         78,960         14,940         9,360           17.7         18.6         22,100         86,400         40,000         78,120        
14,400         9,360           18.1         19.3         24,200         &lt;</td><td>17.6         18.6         22,600         43,200         20,000         78,120         15,030         9,360           18.1         18.7         21,700         43,200         20,000         78,540         14,670         9,360           18.1         18.2         22,300         0         0         76,440         14,220         9,360           18.1         19.2         22,500         86,400         40,000         80,640         14,880         9,360           16.2         16.8         20,900         0         0         75,180         13,410         9,360           17.7         17.9         21,200         0         0         74,340         14,580         9,360           18.6         19.9         23,300         86,400         60,000         75,180         15,750         9,360           18.1         18.7         23,500         0         0         78,540         16,110         9,360           17.5         18.2         23,100         86,400         40,000         78,540         15,750         9,360           17.7         18.6         22,100         0         0         78,180         14,940         9,360           18.0</td><td>17.3         18.1         22,000         43,200         20,000         76,020         14,850         9,360           17.6         18.6         22,600         43,200         20,000         78,120         15,030         9,360           17.7         18.2         22,300         0         0         76,440         14,270         9,360           18.1         18.2         22,300         0         0         76,440         14,200         9,360           18.1         19.2         22,500         86,400         40,000         80,640         14,580         9,360           16.6         17.7         21,200         0         0         70,560         14,580         9,360           17.7         17.9         22,400         43,200         20,000         75,180         15,750         9,360           18.6         19.9         23,300         86,400         60,000         76,440         15,390         9,360           18.7         17.9         22,400         40,000         76,440         15,390         9,360           17.7         17.9         22,100         0         0         75,180         14,400         9,360           17.7         18.6&lt;</td><td>16.9         18.0         21,900         86,400         60,000         75,600         13,590         9,360           17.3         18.1         22,000         43,200         20,000         76,020         14,850         9,360           18.1         18.7         22,000         43,200         20,000         76,020         14,850         9,360           18.1         18.7         21,700         43,200         20,000         76,440         14,670         9,360           18.1         19.2         22,500         86,400         40,000         80,640         14,400         9,360           18.1         19.2         22,500         86,400         60,000         75,180         13,410         9,360           17.7         17.9         22,400         40,000         80,640         14,400         9,360           18.6         19.9         23,300         86,400         60,000         75,180         15,750         9,360           17.7         17.9         22,400         40,000         76,540         14,130         9,360           17.7         18.2         23,000         86,400         40,000         78,540         15,750         9,360           17.7</td><td>15.5         16.4         20,600         0         68,880         14,040         9,360           17.3         18.0         21,900         86,400         60,000         75,500         13,590         9,360           17.6         18.6         22,000         43,200         20,000         76,020         14,850         9,360           18.1         18.7         21,700         43,200         20,000         78,440         14,670         9,360           18.1         18.7         21,700         43,200         20,000         76,440         14,220         9,360           18.1         18.7         22,500         86,400         60,000         75,180         13,410         9,360           17.7         17.9         22,400         40,000         80,040         14,580         9,360           17.7         17.9         22,400         43,200         20,000         75,180         15,750         9,360           18.1         18.7         23,300         86,400         60,000         83,580         14,130         9,360           17.5         18.2         23,500         86,400         40,000         76,440         15,380         9,360           17.7</td><td>  No.   Hrs.   Ullify Meter   Backwash   Waste   Drainage   Ca.oling   Inst. Usage   16.9   16.4   20,000   0   0   0   68,880   14,040   9,360   17.3   18.1   22,000   43,200   20,000   75,620   14,850   9,360   17.7   18.2   22,500   43,200   20,000   76,440   14,220   9,360   18.1   18.7   21,700   43,200   20,000   76,440   14,220   9,360   18.1   19.2   22,500   86,400   40,000   75,180   13,410   9,360   17.1   17.9   21,200   0   0   75,180   13,410   9,360   17.7   17.9   22,400   86,400   60,000   75,180   13,410   9,360   17.7   17.9   22,400   43,200   20,000   75,180   13,410   9,360   17.7   17.9   22,400   43,200   20,000   75,180   13,410   9,360   18.6   19.9   23,300   86,400   60,000   75,180   14,580   9,360   17.5   18.2   23,100   43,200   20,000   76,440   14,530   9,360   17.7   17.9   22,100   86,400   40,000   76,440   15,750   9,360   17.7   18.6   22,100   86,400   40,000   76,440   15,750   9,360   17.5   18.2   23,100   43,200   20,000   76,440   15,750   9,360   17.5   18.2   22,100   86,400   40,000   78,120   14,400   9,360   17.5   18.2   22,100   86,400   40,000   76,440   14,850   9,360   18.0   18.1   23,200   86,400   40,000   78,120   14,400   9,360   18.0   18.7   23,200   86,400   40,000   76,440   14,850   9,360   18.5   22,300   86,400   40,000   76,440   14,850   9,360   18.5   23,300   86,400   40,000   77,700   13,860   9,360   18.5   23,300   86,400   40,000   77,700   13,860   9,360   17.4   18.7   23,300   86,400   40,000   77,700   13,860   9,360   17.4   18.7   23,300   86,400   40,000   77,700   13,860   9,360   17.4   18.7   23,300   86,400   40,000   78,540   15,750   9,360   15,400   9,360  </td><td>RAW         Hrs.         Utility Meter         Backwash         Filter to         Basin         Pump           15.5         16.4         20,600         0         0         0.0         68.400         75,600         13,500         9,360           16.9         18.0         21,900         86,400         60,000         75,600         13,590         9,360           17.3         18.1         22,000         43,200         20,000         76,020         14,850         9,360           18.1         18.2         22,500         43,200         20,000         76,440         14,470         9,360           18.1         18.2         22,500         86,400         40,000         80,640         14,400         9,360           18.1         18.2         22,500         86,400         40,000         75,180         13,410         9,360           17.7         17.9         21,800         86,400         60,000         75,180         13,410         9,360           17.7         17.9         22,400         43,200         20,000         75,180         15,750         9,360           17.7         17.9         23,500         43,200         20,000         76,440         15,390</td></td<> | 19.4         19.8         23,600         86,400         40,000         83,160         15,750         9,360           17.5         18.8         22,000         86,400         40,000         78,960         14,940         9,360           17.7         17.9         22,100         0         0         75,180         16,020         9,360           17.7         18.6         22,100         86,400         40,000         78,120         14,400         9,360           19.2         19.8         24,200         0         0         83,160         16,830         9,360           18.1         19.3         23,100         86,400         40,000         81,060         14,670         9,360           18.0         18.7         23,900         43,200         20,000         76,440         14,850         9,360           18.0         18.7         23,900         43,200         20,000         78,540         15,750         9,360           18.0         18.1         23,000         86,400         40,000         80,220         14,490         9,360           18.5         21,500         86,400         40,000         77,700         13,860         9,360           18.0< | 17.5         18.2         23,100         43,200         20,000         76,440         15,390         9,360           19.4         19.8         23,600         86,400         40,000         83,160         15,750         9,360           17.5         18.8         22,000         86,400         40,000         78,960         14,940         9,360           17.7         17.9         22,100         0         0         75,180         16,020         9,360           17.7         18.6         22,100         0         0         75,180         16,020         9,360           19.2         19.8         24,200         0         0         83,160         16,830         9,360           18.1         19.3         23,100         86,400         40,000         76,440         14,670         9,360           18.0         18.7         23,900         43,200         20,000         76,440         14,850         9,360           18.0         19.1         23,000         86,400        
40,000         77,700         13,860         9,360           18.5         18.9         23,200         0         79,380         16,470         9,360           18.6 | 18.1         18.7         23,500         0         78,540         16,110         9,360           17.5         18.2         23,100         43,200         20,000         76,440         15,390         9,360           19.4         19.8         23,600         86,400         40,000         83,160         15,750         9,360           17.5         18.8         22,000         86,400         40,000         78,960         14,940         9,360           17.7         17.9         22,100         0         0         75,180         16,020         9,360           17.7         18.6         22,100         86,400         40,000         78,120         14,400         9,360           19.2         19.8         24,200         0         0         75,180         16,020         9,360           18.1         19.3         23,100         86,400         40,000         81,060         14,670         9,360           18.0         18.7         23,900         43,200         20,000         78,540         15,750         9,360           18.5         22,900         86,400         40,000         77,700         13,860         9,360           18.0         18.9 | 18.6         19.9         23,300         86,400         60,000         83,580         14,130         9,360           18.1         18.7         23,500         0         0         78,540         16,110         9,360           17.5         18.2         23,100         43,200         20,000         76,440         15,390         9,360           19.4         19.8         23,600         86,400         40,000         78,960         14,940         9,360           17.7         17.9         22,100         0         0         75,180         16,020         9,360           17.7         17.9         22,100         0         0         75,180         16,020         9,360           17.7         18.6         22,100         0         0         75,180         16,020         9,360           18.1         19.3         22,100         0         0         78,120         14,400         9,360           18.1         19.3         23,100         86,400         40,000         76,440         14,850         9,360           18.0         18.7         23,900         43,200         20,000         77,700         13,860         9,360           18.5 | 17.7         17.9         22,400         43,200         20,000         75,180         15,750         9,360           18.6         19.9         23,300         86,400         60,000         83,580         14,130         9,360           18.1         18.7         23,500         0         0         78,540         16,110         9,360           17.5         18.2         23,100         43,200         20,000         76,440         15,390         9,360           17.7         18.8         22,000         86,400         40,000         78,960         14,940         9,360           17.7         17.9         22,100         86,400         40,000         78,120         14,400         9,360           17.7         18.6         22,100         86,400         40,000         78,120         14,400         9,360           18.1         19.3         23,100         86,400         40,000         78,120         14,400         9,360           18.0         18.7         23,900         43,200         20,000         76,440         14,850         9,360           18.5         18.9         23,200         0         40,000         77,700         13,860         9,360 | 16.6         17.7         21,200         0         74,340         14,580         9,360           17.7         17.9         22,400         43,200         20,000         75,180         15,750         9,360           18.6         19.9         23,300         86,400         60,000         83,580         14,130         9,360           18.1         18.7         23,500         0         0         78,540         16,110         9,360           17.5         18.2         23,100         43,200         20,000         76,440         15,390         9,360           17.5         18.2         23,000         86,400         40,000         76,440         15,390         9,360           17.7         18.8         22,000         86,400         40,000         78,960         14,940         9,360           17.7         18.6         22,100         0         0         75,180         16,020         9,360           17.7         18.6         22,100         0         0         78,120         14,400         9,360           18.0         18.7         23,900         43,200         20,000         76,440         14,670         9,360           18.5 | 17.1         17.9         21,800         86,400         60,000         75,180         13,410         9,360           16.6         17.7         21,200         0         74,340         14,580         9,360           17.7         17.9         22,400         43,200         20,000         75,180         15,750         9,360           18.6         19.9         23,300         86,400         60,000         83,580         14,130         9,360           18.1         18.7         23,500         0         76,440         15,750         9,360           17.5         18.2         23,100         43,200         20,000         76,440         15,390         9,360           17.7         18.8         22,000         86,400         40,000         78,160         14,940         9,360           17.7         18.6         22,100         0         0         75,180         16,020         9,360           17.7         18.6         22,100         86,400         40,000         78,120         14,400         9,360           18.1         19.3         23,100         86,400         40,000         76,440         14,850         9,360           18.0         18.7 | 16.2         16.8         20,900         0         70,560         14,580         9,360           17.1         17.9         21,800         86,400         60,000         75,180         13,410         9,360           16.6         17.7         21,200         0         0         74,340         14,580         9,360           17.7         17.9         22,400         43,200         20,000         75,180         15,750         9,360           18.6         19.9         23,500         86,400         60,000         83,580         14,130         9,360           18.1         18.7         23,500         86,400         40,000         76,440         15,390         9,360           19.4         19.8         23,600         86,400         40,000         78,180         16,750         9,360           17.7         18.6         22,100         86,400         40,000         78,180         16,220         9,360           17.7         18.6         22,100         86,400         40,000         78,120         14,400         9,360           18.1         19.3         23,100         86,400         40,000         76,440         14,900         9,360           18 | 18.1         19.2         22,500         86,400         40,000         80,640         14,400         9,360           16.2         16.8         20,900         0         70,560         14,580         9,360           17.1         17.9         21,800         86,400         60,000         75,180         13,410         9,360           17.7         21,200         0         0         75,180         14,580         9,360           17.7         17.9         22,400         43,200         20,000         75,180         14,130         9,360           18.1         18.7         23,300         86,400         60,000         83,580         14,130         9,360           18.1         18.7         23,500         0         0         78,540         16,110         9,360           17.5         18.2         23,100         43,200         20,000         76,440         15,390         9,360           17.7         18.6         22,100         86,400         40,000         78,960         14,940         9,360           17.7         18.6         22,100         86,400         40,000         76,440         14,900         9,360           18.0         18.7 | 17.7         18.2         22,300         0         76,440         14,220         9,360           18.1         19.2         22,500         86,400         40,000         80,640         14,400         9,360           17.1         17.2         21,500         86,400         60,000         75,180         13,410         9,360           17.7         17.9         22,400         43,200         20,000         75,180         14,130         9,360           18.6         19.9         23,300         86,400         60,000         83,580         14,130         9,360           18.1         18.7         23,500         0         0         76,440         15,390         9,360           17.5         18.2         23,100         43,200         20,000         76,440         15,390         9,360           17.7         18.8         22,000         86,400         40,000         83,160         15,750         9,360           17.7         18.6         22,100         0         0         75,180         16,020         9,360           17.7         18.6         22,200         86,400         40,000         78,120         14,400         9,360           18.0 | 18.1         18.7         21,700         43,200         78,540         14,670         9,360           17.7         18.2         22,300         0         76,440         14,220         9,360           18.1         19.2         22,500         86,400         40,000         80,640         14,400         9,360           16.2         16.8         20,900         0         76,180         14,400         9,360           17.1         17.9         21,800         86,400         60,000         75,180         13,410         9,360           18.6         17.7         21,200         0         0         74,340         14,580         9,360           18.6         19.9         23,300         86,400         60,000         83,580         14,130        
9,360           18.1         18.2         23,500         0         0         78,540         16,110         9,360           17.5         18.8         23,500         86,400         40,000         78,960         14,940         9,360           17.7         18.6         22,100         86,400         40,000         78,120         14,400         9,360           18.1         19.3         24,200         < | 17.6         18.6         22,600         43,200         20,000         78,120         15,030         9,360           18.1         18.7         21,700         43,200         20,000         78,540         14,670         9,360           18.1         18.2         22,300         0         0         76,440         14,220         9,360           18.1         19.2         22,500         86,400         40,000         80,640         14,880         9,360           16.2         16.8         20,900         0         0         75,180         13,410         9,360           17.7         17.9         21,200         0         0         74,340         14,580         9,360           18.6         19.9         23,300         86,400         60,000         75,180         15,750         9,360           18.1         18.7         23,500         0         0         78,540         16,110         9,360           17.5         18.2         23,100         86,400         40,000         78,540         15,750         9,360           17.7         18.6         22,100         0         0         78,180         14,940         9,360           18.0 | 17.3         18.1         22,000         43,200         20,000         76,020         14,850         9,360           17.6         18.6         22,600         43,200         20,000         78,120         15,030         9,360           17.7         18.2         22,300         0         0         76,440         14,270         9,360           18.1         18.2         22,300         0         0         76,440         14,200         9,360           18.1         19.2         22,500         86,400         40,000         80,640         14,580         9,360           16.6         17.7         21,200         0         0         70,560         14,580         9,360           17.7         17.9         22,400         43,200         20,000         75,180         15,750         9,360           18.6         19.9         23,300         86,400         60,000         76,440         15,390         9,360           18.7         17.9         22,400         40,000         76,440         15,390         9,360           17.7         17.9         22,100         0         0         75,180         14,400         9,360           17.7         18.6< | 16.9         18.0         21,900         86,400         60,000         75,600         13,590         9,360           17.3         18.1         22,000         43,200         20,000         76,020         14,850         9,360           18.1         18.7         22,000         43,200         20,000         76,020         14,850         9,360           18.1         18.7         21,700         43,200         20,000         76,440         14,670         9,360           18.1         19.2         22,500         86,400         40,000         80,640         14,400         9,360           18.1         19.2         22,500         86,400         60,000         75,180         13,410         9,360           17.7         17.9         22,400         40,000         80,640         14,400         9,360           18.6         19.9         23,300         86,400         60,000         75,180         15,750         9,360           17.7         17.9         22,400         40,000         76,540         14,130         9,360           17.7         18.2         23,000         86,400         40,000         78,540         15,750         9,360           17.7 | 15.5         16.4         20,600         0         68,880         14,040         9,360           17.3         18.0         21,900         86,400         60,000         75,500         13,590         9,360           17.6         18.6         22,000         43,200         20,000         76,020         14,850         9,360           18.1         18.7         21,700         43,200         20,000         78,440         14,670         9,360           18.1         18.7         21,700         43,200         20,000         76,440         14,220         9,360           18.1         18.7         22,500         86,400         60,000         75,180         13,410         9,360           17.7         17.9         22,400         40,000         80,040         14,580         9,360           17.7         17.9         22,400         43,200         20,000         75,180         15,750         9,360           18.1         18.7         23,300         86,400         60,000         83,580         14,130         9,360           17.5         18.2         23,500         86,400         40,000         76,440         15,380         9,360           17.7 | No.   Hrs.   Ullify Meter   Backwash   Waste   Drainage   Ca.oling   Inst. Usage   16.9   16.4   20,000   0   0   0   68,880   14,040   9,360   17.3   18.1   22,000   43,200   20,000   75,620   14,850   9,360   17.7   18.2   22,500   43,200   20,000   76,440   14,220   9,360   18.1   18.7   21,700   43,200   20,000   76,440   14,220   9,360   18.1   19.2   22,500   86,400   40,000   75,180   13,410   9,360   17.1   17.9   21,200   0   0   75,180   13,410   9,360   17.7   17.9   22,400   86,400   60,000   75,180   13,410   9,360   17.7   17.9   22,400   43,200   20,000   75,180   13,410   9,360   17.7   17.9   22,400   43,200   20,000   75,180   13,410   9,360   18.6   19.9   23,300   86,400   60,000   75,180   14,580   9,360   17.5   18.2   23,100   43,200   20,000   76,440   14,530   9,360   17.7   17.9   22,100   86,400   40,000   76,440   15,750   9,360   17.7   18.6   22,100   86,400   40,000   76,440   15,750   9,360   17.5   18.2   23,100   43,200   20,000   76,440   15,750   9,360   17.5   18.2   22,100   86,400   40,000   78,120   14,400   9,360   17.5   18.2   22,100   86,400   40,000   76,440   14,850   9,360   18.0   18.1   23,200   86,400   40,000   78,120   14,400   9,360   18.0   18.7   23,200   86,400   40,000   76,440   14,850   9,360   18.5   22,300   86,400   40,000   76,440   14,850   9,360   18.5   23,300   86,400   40,000   77,700   13,860   9,360   18.5   23,300   86,400   40,000   77,700   13,860   9,360   17.4   18.7   23,300   86,400   40,000   77,700   13,860   9,360   17.4   18.7   23,300   86,400   40,000   77,700   13,860   9,360   17.4   18.7   23,300   86,400   40,000   78,540   15,750   9,360   15,400   9,360 | RAW         Hrs.         Utility Meter         Backwash         Filter to         Basin         Pump           15.5         16.4         20,600         0         0         0.0         68.400         75,600         13,500         9,360           16.9         18.0         21,900         86,400         60,000         75,600         13,590         9,360           17.3         18.1         22,000         43,200         20,000         76,020         14,850         9,360           18.1         18.2         22,500         43,200         20,000         76,440         14,470         9,360           18.1         18.2         22,500         86,400         40,000         80,640         14,400         9,360           18.1         18.2         22,500         86,400         40,000         75,180         13,410         9,360           17.7         17.9         21,800         86,400         60,000         75,180         13,410         9,360           17.7         17.9         22,400         43,200         20,000         75,180         15,750         9,360           17.7         17.9         23,500         43,200         20,000         76,440         15,390 | R.W         Hrs.         Utility Meter         Backwash         Filter to         Basin         Pump           15.5         16.4         20,600         0         0         68,880         14,040         9,360           16.9         18.0         21,900         86,400         60,000         75,600         13,590         9,360           17.3         18.1         22,000         43,200         20,000         76,520         14,850         9,360           17.6         18.6         22,500         43,200         20,000         76,520         14,850         9,360           17.7         18.2         22,300         0         0         76,440         14,400         9,360           18.1         19.2         22,500         86,400         40,000         80,640         14,400         9,360           18.1         19.2         22,500         86,400         60,000         75,160         14,580         9,360           18.6         17.7         21,200         0         0         70,440         14,400         9,360           17.7         17.9         22,400         43,200         20,000         75,180         15,750         9,360           17.7 |

Water	Utility:	Hyden - Leslie County Water District	
For th	e Month of:	December Year:	2018
LINE #	<b>*</b>	ITEM GALLO	ONS (Omit 000's)
1		UCED, PURCHASED & DISTRIBUTED	
2	Water Produce		34,350
3	Water Purchas		
4		TOTAL PRODUCED AND PURCHASED	34,350
5	WATER SALE		
7	Residential	3	12,501
8	Commercial		2,114
9	Industrial		2,114
10	Bulk Loading S	tations	
11	Wholesale		
12	Other Sales		
13		TOTAL WATER SALES	14,615 42.5%
14			
15	OTHER WATE	R USED	
16	Utility and/or W	/ater Treatment Plant	6,972
17	Wastewater Pl		
18	System Flushir		
19	Fire Departme	nt	
20	Other		
21		TOTAL OTHER WATER USED	6,972 20.3%
22			
23	WATER LOSS		
24 25	Tank Overflow Line Breaks	S	3,592
26	Line Leaks		9,171
27	Other		3,171
21	Other		
28		TOTAL LINE LOSS	12,763 37.2%
29			
30	Note: Line 13	+ Line 21 + Line 28 Must Equal Line 4	
31	WATER LOSS	PERCENTACE	
32 33		S PERCENTAGE For Water (Line 28 divided by Line 4)	37.2%
00	oriacoodinted-	of Fracti (Ellio 20 divided by Ellio T)	G 7 - An 7 U

#### QUESTION 1\_ATTACHMENT PAGE 25 of 29

of 2	25	ìΕ	٩G	P																															
Date	_	2	ω	4	5	6	7	œ	9	10	1	12	3	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total	AVG		
Raw Water Treated	1,090,000	1,140,000	1,170,000	1,030,000	1,100,000	1,070,000	1,100,000	1,130,000	1,040,000	1,110,000	1,090,000	1,060,000	1,100,000	1,110,000	1,060,000	1,270,000	1,280,000	1,210,000	1,240,000	1,310,000	1,080,000	1,100,000	1,050,000	1,090,000	1,110,000	1,110,000	1,040,000	1,070,000	950,000	1,060,000	980,000	34,350,000	1,108,065		
H.S. Hrs.	16.6	17.7	17.0	15.9	15.7	15.7	17.0	17.4	15.7	17.8	16.8	16.6	16.3	16.3	16.6	18.2	19.0	18.9	17.8	18.8	16.5	15.5	15.7	15.0	16.2	16.2	16.0	16.3	13.5	16.9	14.6	514	17		
R.W Hrs.	17.7	18.6	18.3	16.7	17.9	17.3	18.0	18.6	17.4	18.0	17.9	17.1	17.8	18.2	17.5	20.8	20.6	19.8	20.2	21.5	17.4	18.3	17.0	17.7	18.0	18.0	16.9	17.3	15.5	17.1	15.8	559	18		
(a)		19.4	18.9	17.8	19.1	17.9	18.8	19.4	18.4	18.5	18.4	17.1	19.2	19.2	18.1	21.5	21.7	20.5	21.3	22.2	18.1	19.2	18.7	17.3	19.3	19.4	17.9	18.8	17.0	18.2	16.9	587	19	No. Days	
and P. Utility Meter	22,700	23,500	23,100	21,300	23,400	23,000	23,000	22,900	21,600	22,500	23,000	24,100	23,400	23,100	22,100	25,000	25,400	24,400	24,600	25,600	24,500	23,100	22,400	23,500	22,600	23,600	23,400	23,700	21,300	23,700	21,700	721,200	23,265	31	
Filter to  Backwash Waste	- 1	43,200	43,200	43,200	86,400	86,400	43,200	43,200	86,400	0	43,200	43,200	86,400	86,400	0	86,400	86,400	86,400	86,400	86,400	129,600	86,400	43,200	86,400	129,600	86,400	43,200	43,200	86,400	43,200	43,200	2,073,600	66,890		
Filter to Waste	40,000	20,000	20,000	20,000	40,000	40,000	20,000	20,000	40,000	0	20,000	20,000	40,000	40,000	0	40,000	40,000	40,000	40,000	40,000	60,000	40,000	20,000	40,000	60,000	40,000	20,000	20,000	40,000	20,000	20,000	960,000	30,968		Locate
Basin	78,120	81,480	79,380	74,760	80,220	75,180	78,960	81,480	77,280	77,700	77,280	71,820	80,640	80,640	76,020	90,300	91,140	86,100	89,460	93,240	76,020	80,640	78,540	72,660	81,060	81,480	75,180	78,960	71,400	76,440	70,980	2,464,560	79,502		Located Line Brea
Pump	14,940	15,930	15,300	14,310	14,130	14,130	15,300	15,660	14,130	16,020	15,120	14,940	14,670	14,670	14,940	16,380	17,100	17,010	16,020	16,920	14,850	13,950	14,130	13,500	14,580	14,580	14,400	14,670	12,150	15,210	13,140	462,780	14,928		reak Total
Inst. Usage	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	290,160	9,360		
Total Usage	251,520	193,470	190,340	182,930	253,510	248,070	189,820	192,600	248,770	125,580	187,960	183,420	254,470	254,170	122,420	267,440	269,400	263,270	265,840	271,520	314,330	253,450	187,630	245,420	317,200	255,420	185,540	189,890	240,610	187,910	178,380	6,972,300	224,913		3,592,320

Water	r Utility:	Hyden-Leslie County Water Dist	rict	
For th	e Month of:	January	Year:	2019
LINE #		ITEM	GALLO	NS (Omit 000's)
1		ED, PURCHASED & DISTRIBUT		
2	Water Produced			31,990
3	Water Purchased			
4		TOTAL PRODUCED AND	PURCHASED	31,990
5				
6	WATER SALES			7.15
7	Residential			11,704
8	Commercial			2,282
9	Industrial	ione		
11	Bulk Loading Stati Wholesale	ions		
12	Other Sales			
12	Other bales			
13		TOTAL V	VATER SALES	13,986 43.7%
14				
15	OTHER WATER	USED		
16		er Treatment Plant		6,758
17	Wastewater Plant			
18	System Flushing			203
19	Fire Department			
20	Other			
21		TOTAL OTHER	WATER USED	6,961 21.89
22				
23	WATER LOSS			
24	Tank Overflows			
25	Line Breaks			2,945
26	Line Leaks			8,098
27	Other			
28		тот	AL LINE LOSS	11,043 34.59
29			president and a second a second and a second a second and	
30	Note: Line 13 + L	ine 21 + Line 28 Must Equal Line	4	
31	9/02/2			
32	WATER LOSS P			
33	Unaccounted-For	Water (Line 28 divided by Line 4)		34.5%

# QUESTION 1\_ATTACHMENT PAGE 27 of 29

Date	_	N	ω		4	4 73	4 ro ro	7 O O F	4 10 10 12	400700	10 8 7 6 5 4	110087654	12110087654	13 1 1 1 0 8 7 6 6 4	1131110007004	111111111111111111111111111111111111111	11111110007004	116111111111111111111111111111111111111	12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	121111111111111111111111111111111111111	2008765123110987664	22 2 2 3 3 7 5 5 1 2 2 2 1 3 8 7 5 5 4 2 2 2 2 2 3 8 7 5 5 1 2 2 2 2 3 8 7 5 5 1 2 2 2 2 3 8 7 5 6 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7	22 2 2 3 3 6 6 7 6 6 7 6 6 7 6 6 7 6 6 7 6 7 6	23 22 21 20 31 31 31 31 31 31 31 31 31 31 31 31 31	222218171511111987664	25 22 22 21 21 21 21 22 22 23 23 25 24 25 25 26 26 26 26 26 26 26 26 26 26 26 26 26	26 22 22 22 23 25 26 26 27 27 28 27 28 28 28 28 28 28 28 28 28 28 28 28 28	27 22 23 22 21 20 31 31 31 31 31 31 31 31 31 31 31 31 31	28 27 28 28 28 28 28 28 28 28 28 28 28 28 28	29 27 27 27 27 27 27 28 27 28 27 28 27 28 27 28 28 28 28 28 28 28 28 28 28 28 28 28	30	30 228 27 27 30 30 30 30 30 30 30 30 30 30 30 30 30	Total  Total
Raw Water	0	1,020,000	990,000	970,000	1,000,000	1,050,000	980,000		950,000	950,000	950,000 980,000 930,000	950,000 980,000 930,000 1,000,000	950,000 980,000 930,000 1,000,000 1,040,000	950,000 980,000 930,000 1,000,000 1,040,000 1,010,000	950,000 980,000 930,000 1,000,000 1,040,000 1,010,000 1,010,000	950,000 980,000 930,000 1,000,000 1,040,000 1,010,000 1,000,000 960,000	950,000 980,000 930,000 1,000,000 1,040,000 1,010,000 1,000,000 960,000	950,000 980,000 930,000 1,000,000 1,040,000 1,010,000 1,000,000 1,000,000 1,030,000	950,000 980,000 930,000 1,000,000 1,040,000 1,010,000 1,000,000 960,000 1,030,000 1,030,000 930,000	950,000 980,000 930,000 1,000,000 1,040,000 1,010,000 1,000,000 960,000 1,030,000 1,030,000 1,000,000	950,000 980,000 1,000,000 1,040,000 1,010,000 1,010,000 1,000,000 1,000,000	950,000 980,000 1,000,000 1,040,000 1,010,000 1,010,000 1,000,000 1,000,000 1,000,000 1,000,000 1,000,000 1,000,000 1,000,000 1,000,000 1,000,000	950,000 980,000 1,000,000 1,040,000 1,010,000 1,000,000 1,000,000 1,000,000 1,000,000 1,000,000 1,020,000 1,070,000 1,070,000	950,000 980,000 1,000,000 1,040,000 1,010,000 1,000,000 1,000,000 1,000,000 1,020,000 1,070,000 1,180,000	950,000 980,000 1,000,000 1,040,000 1,010,000 1,010,000 1,000,000 1,030,000 1,030,000 1,020,000 1,040,000 1,070,000 1,180,000 1,180,000	950,000 980,000 1,000,000 1,040,000 1,010,000 1,010,000 1,000,000 1,030,000 1,020,000 1,040,000 1,070,000 1,180,000 1,180,000 1,010,000 1,030,000	950,000 980,000 1,000,000 1,040,000 1,040,000 1,010,000 1,000,000 1,000,000 1,020,000 1,070,000 1,170,000 1,180,000 1,030,000 1,180,000 1,110,000	950,000 980,000 1,000,000 1,040,000 1,040,000 1,000,000 1,000,000 1,000,000 1,020,000 1,070,000 1,180,000 1,180,000 1,180,000 1,010,000 1,110,000 1,110,000 1,040,000	950,000 980,000 1,000,000 1,040,000 1,040,000 1,000,000 1,000,000 1,000,000 1,020,000 1,040,000 1,100,000 1,180,000 1,180,000 1,110,000 1,110,000 1,110,000 1,110,000	950,000 980,000 1,000,000 1,040,000 1,040,000 1,000,000 1,000,000 1,000,000 1,020,000 1,070,000 1,100,000 1,1100,000 1,1100,000 1,040,000 1,1100,000 1,040,000 1,040,000 1,040,000 1,040,000 1,040,000 1,040,000	950,000 980,000 1,000,000 1,010,000 1,010,000 1,000,000 1,000,000 1,020,000 1,070,000 1,100,000 1,110,000 1,110,000 1,110,000 1,110,000 1,110,000 1,110,000 1,110,000 1,110,000	950,000 980,000 1,000,000 1,040,000 1,010,000 1,010,000 1,000,000 1,020,000 1,040,000 1,100,000 1,110,000 1,110,000 1,110,000 1,110,000 1,110,000 1,110,000 1,110,000 1,110,000 1,110,000 1,110,000 1,110,000	950,000 980,000 1,000,000 1,040,000 1,010,000 1,010,000 1,000,000 1,020,000 1,020,000 1,020,000 1,040,000 1,100,000 1,110,000 1,110,000 1,110,000 1,110,000 1,160,000 1,160,000 1,160,000
H.S. Hrs.	15.4	16.2	14.4	14.9	15.3	15.5	15.2	14.6	15.1		14.0	14.0	14.0 14.6 16.3	14.0 14.6 16.3 15.0	14.0 14.6 16.3 15.0 14.7	14.0 14.6 16.3 15.0 14.7	14.0 14.6 16.3 15.0 14.7 15.2	14.0 14.6 16.3 15.0 14.7 15.2 14.9	14.0 14.6 16.3 15.0 14.7 15.2 15.1 14.9	14.0 14.6 16.3 15.0 14.7 15.2 15.2 13.4	14.0 14.6 16.3 15.0 14.7 15.2 15.1 14.9 13.4	14.0 14.6 16.3 15.0 14.7 15.1 14.9 13.4 17.0	14.0 14.6 16.3 15.0 14.7 15.1 14.9 13.4 15.1 17.0 15.3	14.0 14.6 16.3 15.0 14.7 15.1 14.9 13.4 14.9 17.0	14.0 14.6 15.0 15.0 14.7 15.1 14.9 17.0 17.0 14.8	14.0 14.6 16.3 15.0 14.7 15.1 14.9 13.4 17.0 17.0 17.0 17.0	14.0 14.6 16.3 15.0 14.7 15.1 14.9 13.4 17.0 17.0 17.0 17.1	14.0 14.6 16.3 15.0 14.7 15.1 14.9 13.4 15.1 17.0 14.7 17.6 14.8 17.6	14.0 14.6 16.3 15.0 14.7 15.1 14.9 13.4 15.1 17.0 17.0 17.0 17.0 17.0	14.0 14.6 15.0 15.1 15.1 14.9 14.9 17.0 17.0 17.0 17.0 17.0	14.0 14.6 15.0 15.1 15.1 14.9 14.9 17.0 17.0 17.0 17.0 17.0 17.0 17.0 17.0	14.0 14.6 16.3 15.0 14.7 15.1 14.9 13.4 17.0 17.0 17.0 17.0 17.0 17.0 17.0 17.0	14.0 14.6 16.3 15.0 14.7 15.1 14.9 13.4 15.1 14.9 17.0 17.0 16.3 17.0 16.1 16.1 17.0 16.1 17.0
R.W Hrs.	6	16.6	16.0	15.6	16.1	17.2	15.9	15.5	15.8	15.2	162	10.1	16.7	16.7	16.7 16.7 16.1	16.7 16.7 16.1 15.7	16.7 16.7 16.1 15.7	16.7 16.7 16.1 15.7 16.6	16.7 16.7 16.1 15.7 16.6 16.3	16.7 16.7 16.1 15.7 16.6 16.3	16.7 16.7 16.1 16.6 16.3 16.5	16.7 16.7 16.1 15.7 16.6 16.3 16.5 16.8	16.7 16.7 16.7 16.6 16.6 16.8 17.8	16.7 16.7 16.7 16.1 15.7 16.6 16.8 17.8 17.8	16.7 16.7 16.1 15.7 16.6 16.3 15.2 16.8 17.8 17.8	16.7 16.7 16.1 15.7 16.6 16.3 15.2 16.8 17.8 17.8	16.7 16.7 16.7 16.6 16.3 15.2 16.8 17.8 17.8 17.8	16.7 16.7 16.7 16.6 16.3 16.3 17.8 17.8 17.8 17.8	16.7 16.7 16.1 16.3 16.3 16.3 17.8 17.8 17.8 17.8 17.0	16.7 16.7 16.1 16.6 16.6 16.8 17.8 17.8 17.0 18.0 17.9	16.7 16.7 16.1 15.7 16.6 16.3 15.2 16.8 17.8 17.8 17.8 17.0 18.0	16.7 16.7 16.7 16.6 16.6 16.8 17.8 17.8 17.8 17.0 18.0 17.9	16.7 16.7 16.1 15.7 16.6 16.3 15.2 16.8 17.8 17.8 17.8 17.8 17.9 18.0 18.8
Sand	17.8	18.0	17.4	16.7	17.2	18.4	16.9	16.2	16.8	16.4	18.0	1	17.9	17.9 17.7	17.9 17.7 17.4	17.9 17.7 17.4 16.6	17.9 17.7 17.4 16.6 12.6	17.9 17.7 17.4 16.6 12.6 17.3	17.9 17.7 17.4 16.6 12.6 17.3	17.9 17.7 17.4 16.6 12.6 17.3 16.9	17.9 17.7 17.4 16.6 12.6 17.3 16.9 17.6	17.9 17.7 17.4 16.6 12.6 17.3 16.9 17.6 18.3	17.9 17.7 17.4 16.6 12.6 17.3 16.9 17.6 18.3 18.3	17.9 17.7 17.4 16.6 12.6 17.3 16.9 17.6 18.3 18.3 18.3	17.9 17.7 17.4 16.6 12.6 17.3 16.9 17.6 18.3 18.3 18.3 19.8	17.9 17.7 17.4 16.6 12.6 17.3 16.9 17.6 18.3 18.3 18.3 18.3 19.8	17.9 17.7 17.4 16.6 12.6 17.3 16.9 17.6 18.3 18.3 18.3 18.3 17.6 18.3	17.9 17.7 17.4 16.6 12.6 17.3 18.3 18.3 18.3 18.3 17.6 17.6 18.0	17.9 17.7 17.4 16.6 12.6 17.3 18.3 18.3 18.3 18.3 18.0 17.6 18.0	17.9 17.7 17.4 16.6 12.6 17.3 18.3 18.3 18.3 18.3 17.6 17.6	17.9 17.7 16.6 12.6 17.3 16.9 17.6 18.3 18.3 18.3 18.3 17.6 17.6 18.9 17.6	17.9 17.7 17.4 16.6 12.6 17.3 16.9 17.6 18.3 18.3 18.3 18.3 19.8 17.6 19.8 17.6	17.9 17.7 17.4 16.6 12.6 17.3 16.9 17.6 18.3 18.3 18.3 18.3 18.3 18.3 18.3 19.8 17.6 19.8 17.6 19.9 19.9
Utility Usage	22,900	22,100	21,100	20,700	21,300	21,400	20,500	19,900	20,400	20,200	24,400	26,700		21,300	21,300	21,300 20,400 19,900	21,300 20,400 19,900 20,600	21,300 20,400 19,900 20,600 20,300	21,300 20,400 19,900 20,600 20,300 18,500	21,300 20,400 19,900 20,600 20,300 18,500 20,400	21,300 20,400 19,900 20,600 20,300 18,500 20,400 20,500	21,300 20,400 19,900 20,600 20,300 18,500 20,400 20,500 21,000	21,300 20,400 19,900 20,600 20,300 18,500 20,400 20,500 21,000 20,700	21,300 20,400 19,900 20,600 20,300 18,500 20,400 20,500 21,000 23,000	21,300 20,400 19,900 20,600 20,300 18,500 20,400 21,000 21,000 23,000	21,300 20,400 19,900 20,600 20,300 18,500 20,400 20,400 21,000 21,000 23,000 19,800 21,100	21,300 20,400 19,900 20,600 20,300 18,500 20,400 20,400 21,000 21,000 23,000 19,800 21,100 21,100	21,300 20,400 19,900 20,600 20,300 18,500 20,400 20,500 21,000 23,000 19,800 21,100 21,100 21,100 21,100	21,300 20,400 19,900 20,600 20,300 18,500 20,400 20,500 21,000 23,000 19,800 21,100 21,100 21,100 21,100 21,100	21,300 20,400 19,900 20,600 20,300 18,500 20,400 20,500 21,000 23,000 19,800 21,100 21,100 21,100 21,100 21,100 21,100	21,300 20,400 19,900 20,600 20,300 18,500 20,400 20,500 21,000 21,000 21,100 21,900 21,900 21,900 21,900 21,800 21,800	21,300 20,400 19,900 20,600 20,300 18,500 20,400 20,500 21,000 21,000 21,100 21,100 21,800 21,800 21,800 21,800 21,800 21,800	21,300 20,400 19,900 20,600 20,300 18,500 20,400 20,400 21,000 21,700 21,800 21,800 21,800 21,800 21,800 21,800 21,800 22,800 22,800 22,800
Utility Usage January 2019 P. Hrs. Utility Meter   Backwash   Waste	- 1	43,200	129,600	43,200	43,200	86,400	43,200	43,200	0	86,400	86,400	5000	43,200	86,400	86,400 86,400	86,400 86,400 43,200	43,200 86,400 86,400 43,200 86,400	43,200 86,400 86,400 43,200 86,400 86,400	43,200 86,400 86,400 43,200 86,400 86,400 43,200	43,200 86,400 43,200 86,400 86,400 43,200 86,400	43,200 86,400 43,200 86,400 86,400 43,200 86,400 86,400	43,200 86,400 43,200 86,400 86,400 43,200 86,400 86,400 86,400	43,200 86,400 43,200 86,400 86,400 43,200 86,400 86,400 86,400 86,400	43,200 86,400 43,200 86,400 86,400 86,400 86,400 86,400 43,200 86,400	43,200 86,400 43,200 86,400 86,400 43,200 86,400 86,400 43,200 43,200 86,400	43,200 86,400 86,400 86,400 86,400 43,200 86,400 43,200 86,400 86,400 86,400	43,200 86,400 86,400 86,400 86,400 43,200 86,400 43,200 86,400 43,200 86,400 43,200	43,200 86,400 86,400 86,400 86,400 86,400 86,400 86,400 86,400 86,400 86,400 86,400 86,400 86,400 86,400	43,200 86,400 86,400 86,400 86,400 43,200 86,400 43,200 86,400 43,200 86,400 43,200 86,400 43,200	43,200 86,400 86,400 86,400 86,400 86,400 86,400 86,400 43,200 86,400 43,200 86,400 86,400 86,400 86,400 86,400	43,200 86,400 86,400 86,400 86,400 86,400 86,400 86,400 86,400 43,200 86,400 43,200 86,400 63,200	43,200 86,400 86,400 86,400 86,400 86,400 86,400 86,400 86,400 86,400 686,400 686,400 686,400 686,400 686,400 686,400 686,400	43,200 86,400 43,200 86,400 86,400 86,400 86,400 86,400 86,400 43,200 86,400 43,200 86,400 60,400
ry 2019 Filter to Waste	40,000	20,000	60,000	20,000	20,000	40,000	20,000	20,000	0	40,000	40,000	0000	20,000	40,000	40,000	40,000 40,000 20,000	40,000 40,000 40,000 20,000 40,000	40,000 40,000 40,000 20,000 40,000	40,000 40,000 40,000 20,000 40,000 40,000 20,000	40,000 40,000 20,000 40,000 40,000 40,000 40,000	40,000 40,000 20,000 40,000 40,000 40,000 40,000 40,000	40,000 40,000 20,000 40,000 40,000 40,000 40,000 40,000 20,000	40,000 40,000 20,000 40,000 40,000 40,000 40,000 40,000 40,000	40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 20,000 20,000	40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000	40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000	40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000	40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 20,000 40,000 20,000	40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 20,000 40,000 20,000	40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 20,000 40,000 20,000 40,000 20,000 40,000	40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 60,000	40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000	40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 40,000 60,000 60,000
Basin	74,760	75,600	73,080	70,140	72,240	77,280	70,980	68,040	70,560	68,880	75,600	75,180	74 340		73,080	73,080	73,080 69,720 52,920	73,080 69,720 52,920 72,660	73,080 69,720 52,920 72,660 70,980	73,080 69,720 52,920 72,660 70,980 73,920	73,080 69,720 52,920 72,660 70,980 73,920 76,860	73,080 69,720 52,920 72,660 70,980 73,920 76,860	73,080 69,720 52,920 72,660 70,980 73,920 76,860 76,860 78,540	73,080 69,720 52,920 72,660 70,980 73,920 76,860 76,860 78,540 83,160	73,080 69,720 52,920 72,660 70,980 73,920 76,860 76,860 78,540 83,160 73,920	73,080 69,720 52,920 72,660 70,980 73,920 76,860 78,540 83,160 73,920 75,600	73,080 69,720 52,920 72,660 70,980 73,920 76,860 78,540 83,160 73,920 75,600 79,380	73,080 69,720 52,920 72,660 70,980 76,860 76,860 78,540 83,160 73,920 75,600 79,380 73,920	73,080 69,720 52,920 72,660 70,980 76,860 76,860 78,540 83,160 73,920 75,600 79,380 79,380	73,080 69,720 52,920 72,660 70,980 76,860 76,860 78,540 83,160 73,920 79,380 79,380 73,080	73,080 69,720 52,920 72,660 70,980 76,860 76,860 78,540 83,160 73,920 73,920 79,380 79,380 73,920 73,920 73,920 73,920	73,080 69,720 52,920 72,660 70,980 76,860 76,860 78,540 83,160 75,600 79,380 79,380 79,800 73,080 83,160	73,980 69,720 52,920 72,660 70,980 76,860 76,860 78,540 83,160 79,380 79,380 79,800 73,920 79,800 83,580 83,160 83,580
Pump	13,860	14,580	12,960	13,410	13,770	13,950	13,680	13,140	13,590	12,600	13,140	14,670		13,500	13,500 13,230	13,500 13,230 13,680	13,500 13,230 13,680 13,590	13,500 13,230 13,680 13,590 13,410	13,500 13,230 13,680 13,590 13,410 12,060	13,500 13,230 13,680 13,590 13,410 12,060 13,590	13,500 13,230 13,680 13,590 13,410 12,060 13,590 13,230	13,500 13,230 13,680 13,590 12,060 13,590 13,230 15,300	13,500 13,230 13,680 13,590 13,410 12,060 13,590 13,230 15,300 15,300	13,500 13,230 13,680 13,590 13,410 12,060 13,590 13,590 13,230 15,300 15,300	13,500 13,230 13,680 13,590 13,410 12,060 13,590 13,230 15,300 15,300 13,770 15,840 13,320	13,500 13,230 13,680 13,590 13,410 12,060 13,590 13,230 15,300 15,300 15,840 13,770 15,840 13,770	13,500 13,230 13,680 13,590 13,410 12,060 13,590 13,230 15,300 15,840 13,770 13,770 13,770 13,770	13,500 13,230 13,680 13,590 13,410 12,060 13,230 15,300 15,300 15,840 13,770 15,840 13,770 13,770 13,770 13,770	13,500 13,230 13,680 13,590 13,410 12,060 13,590 13,230 15,300 15,300 15,840 13,770 15,840 13,770 15,840 13,770	13,500 13,230 13,680 13,590 13,410 12,060 13,590 13,230 15,300 15,300 15,840 13,770 15,840 13,770 15,840 14,680 14,490	13,500 13,230 13,680 13,590 13,410 12,060 13,590 13,230 15,300 13,770 15,840 13,770 13,770 14,580 14,580 15,300 14,580	13,500 13,230 13,680 13,590 13,410 12,060 13,590 13,230 15,300 15,300 15,840 13,770 15,840 13,770 15,840 14,490 14,490 14,490 16,110	13,500 13,230 13,680 13,590 13,410 12,060 13,590 13,230 15,300 15,300 15,840 13,770 15,840 13,770 15,840 13,770 15,840 14,580 14,580 14,490 15,210 16,110
Inst. Usage	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360		9,360	9,360	9,360 9,360 9,360	9,360 9,360 9,360 9,360	9,360 9,360 9,360 9,360	9,360 9,360 9,360 9,360 9,360	9,360 9,360 9,360 9,360 9,360 9,360	9,360 9,360 9,360 9,360 9,360 9,360 9,360	9,360 9,360 9,360 9,360 9,360 9,360 9,360	9,360 9,360 9,360 9,360 9,360 9,360 9,360	9,360 9,360 9,360 9,360 9,360 9,360 9,360	9,360 9,360 9,360 9,360 9,360 9,360 9,360 9,360	9,360 9,360 9,360 9,360 9,360 9,360 9,360 9,360	9,360 9,360 9,360 9,360 9,360 9,360 9,360 9,360 9,360	9,360 9,360 9,360 9,360 9,360 9,360 9,360 9,360 9,360 9,360	9,360 9,360 9,360 9,360 9,360 9,360 9,360 9,360 9,360 9,360	9,360 9,360 9,360 9,360 9,360 9,360 9,360 9,360 9,360	9,360 9,360 9,360 9,360 9,360 9,360 9,360 9,360 9,360 9,360	9,360 9,360 9,360 9,360 9,360 9,360 9,360 9,360 9,360	9,360 9,360 9,360 9,360 9,360 9,360 9,360 9,360 9,360	9,360 9,360 9,360 9,360 9,360 9,360 9,360 9,360 9,360 9,360 9,360 9,360 9,360	9,360 9,360 9,360 9,360 9,360 9,360 9,360 9,360 9,360 9,360 9,360 9,360 9,360 9,360 9,360 9,360 9,360 9,360
Total Usage	247,280	184,840	306,100	176,810	179,870	248,390	177,720	173,640	113,910	237,440	248,900	189,110		244,900	244,900 242,470	244,900 242,470 175,860	244,900 242,470 175,860 222,870	244,900 242,470 175,860 222,870 242,130	244,900 242,470 175,860 222,870 242,130 174,100	244,900 242,470 175,860 222,870 242,130 174,100 243,670	244,900 242,470 175,860 222,870 242,130 174,100 243,670 246,350	244,900 242,470 175,860 222,870 242,130 174,100 243,670 246,350 185,720	244,900 242,470 175,860 222,870 242,130 174,100 243,670 246,350 185,720 248,770	244,900 242,470 175,860 222,870 242,130 174,100 243,670 246,350 185,720 248,770 194,560	244,900 242,470 175,860 222,870 242,130 174,100 243,670 246,350 185,720 248,770 194,560 242,800	244,900 242,470 175,860 222,870 242,130 174,100 243,670 246,350 185,720 248,770 194,560 242,800 246,230	244,900 242,470 175,860 222,870 242,130 174,100 243,670 246,350 185,720 248,770 194,560 242,800 246,230 189,230	244,900 242,470 175,860 222,870 242,130 174,100 243,670 246,350 185,720 248,770 194,560 242,800 246,230 189,230 189,230	244,900 242,470 175,860 222,870 242,130 174,100 243,670 246,350 185,720 248,770 194,560 242,800 246,230 189,230 189,230 181,760 189,230	244,900 242,470 175,860 222,870 242,130 174,100 243,670 246,350 185,720 248,770 194,560 242,800 246,230 189,230 189,230 181,760 126,260 244,830	244,900 242,470 175,860 222,870 242,130 174,100 243,670 246,350 185,720 248,770 194,560 248,770 194,560 246,230 189,230 181,760 126,260 244,830 320,550	244,900 242,470 175,860 222,870 242,130 174,100 243,670 246,350 185,720 248,770 194,560 242,800 242,800 246,230 189,230 189,230 181,760 126,260 244,830 320,550 257,430	244,900 242,470 175,860 222,870 242,130 174,100 243,670 246,350 185,720 248,770 194,560 242,800 242,800 246,230 189,230 181,760 126,260 244,830 320,550 257,430

Total Usage + located breaks

Actiflo Usage
Total Utility Usage
Located Line Break Total

43,000 **6,757,500** 2,945,120 9,702,620

ater Utility:	Hyden-Leslie County Water District	
or the Month of:	February Year:	2019
NE#	ITEM GALLOI	NS (Omit 000's)
	UCED, PURCHASED & DISTRIBUTED	
2 Water Produced	d	28,100
3 Water Purchase	ed	
4	TOTAL PRODUCED AND PURCHASED	28,100
5 6 WATER SALES		
7 Residential		12,497
8 Commercial		2,503
9 Industrial		2,000
10 Bulk Loading S	tations	
11 Wholesale		
12 Other Sales		
13	TOTAL WATER SALES	15,000 53
14		
15 OTHER WATE	R USED	
	ater Treatment Plant	6,289
17 Wastewater Pla		
18 System Flushin		270
19 Fire Departmen	nt	
20 Other		
21	TOTAL OTHER WATER USED	6,559 23
22 23 WATER LOSS		
24 Tank Overflow		
25 Line Breaks		2,806
26 Line Leaks		3,735
27 Other		
28	TOTAL LINE LOSS	6,541 23
29		
30 Note: Line 13 31	+ Line 21 + Line 28 Must Equal Line 4	
32 WATER LOSS	PERCENTAGE	
33 Unaccounted-I	For Water (Line 28 divided by Line 4)	23.3%

### QUESTION 1\_ATTACHMENT PAGE 29 of 29

ot 2	23	'-	٦.	F #																								1				
Date	_	2	ω	4	S	0	7	00	9	10	<u></u>	12	3	4	15	16	17	18	19	20	21	22	23	24	25	26	27	28	Total	AVG		
Raw Water Treated	1,180,000	1,140,000	1,120,000	1,050,000	1,010,000	980,000	1,010,000	930,000	910,000	1,080,000	950,000	950,000	950,000	1,070,000	900,000	880,000	1,140,000	1,100,000	1,090,000	870,000	900,000	730,000	1,310,000	1,140,000	970,000	920,000	880,000	940,000	28,100,000	1,003,571		
H.S. Hrs.	17.2	17.4	16.0	16.8	16.4	14.7	15.2	14.3	13.4	16.6	15.0	13.7	15.0	16.0	13.9	12.9	16.5	16.2	15.4	13.1	13.4	10.9	18.9	17.7	14.1	14.7	13.4	14.2	423	15		
R.W Hrs.	19.2	18.4	18.0	17.1	16.6	15.7	15.9	14.5	14.7	17.6	15.4	15.4	15.4	17.4	14.6	14.4	18.2	18.0	12.6	14.1	13.9	11.3	20.9	18.4	15.8	14.9	14.2	15.3	448	16		
Sand P. s. Hrs.	20.0	19.0	19.3	18.1	17.4	16.8	17.1	15.3	16.1	18.5	16.4	16.4	16.4	18.0	16.1	15.2	19.1	19.3	18.2	15.4	14.1	12.0	21.3	19.0	17.0	15.9	15.6	17.3	480	17	No. Days	
Utility Meter	23,500	22,600	22,600	21,500	20,400	19,200	20,200	19,000	19,200	21,400	19,600	19,200	20,800	22,600	19,700	18,500	22,400	33,300	28,800	24,100	24,300	19,800	30,100	26,600	24,700	23,700	22,900	23,300	634,000	22,643	31	
er Backwash	- 1	43,200	129,600	43,200	43,200	43,200	43,200	0	43,200	129,600	0	86,400	43,200	43,200	86,400	43,200	86,400	0	86,400	86,400	0	43,200	43,200	86,400	43,200	43,200	43,200	86,400	1,555,200	55,543		
Filter to Waste	40,000	20,000	60,000	20,000	20,000	20,000	20,000	0	20,000	60,000	0	40,000	20,000	20,000	40,000	20,000	60,000	0	40,000	40,000	0	20,000	20,000	40,000	20,000	20,000	20,000	40,000	740,000	26,429		
Basin Drainage	84,000	79,800	81,060	76,020	73,080	70,560	71,820	64,260	67,620	77,700	68,880	68,880	68,880	75,600	67,620	63,840	80,220	81,060	76,440	64,680	59,220	50,400	89,460	79,800	71,400	66,780	65,520	72,660	2,017,260	72,045		To
Pump	15,480	15,660	14,400	15,120	14,760	13,230	13,680	12,870	12,060	14,940	13,500	12,330	13,500	14,400	12,510	11,610	14,850	14,580	13,860	11,790	12,060	9,810	17,010	15,930	12,690	13,230	12,060	12,780	380,700	13,596	A 1.51 - 1.1 - 1.1	Actiflo Usage Total Utility Usage ated Line Break Total
Inst. Usage	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	9,360	262,080	9,360		je jage jk Total
Total Usage	258,740	190,620	317,020	185,200	180,800	175,550	178,260	105,490	171,440	313,000	111,340	236,170	175,740	185,160	235,590	166,510	273,230	138,300	254,860	236,330	104,940	152,570	209,130	258,090	181,350	176,270	173,040	244,500	5,589,240	199,616	700 400	700,100 <b>6,289,340</b> 2,805,840

#### Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 2

- Q-2. Describe in detail the procedure utilized in preparing monthly water use and loss reports, including, but not limited to, the following:
  - a. How the utility calculates water loss, water treatment plant usage, system flushing, and disinfection byproduct flushing.
  - b. Identify by name and job title employees who prepare or assist in the preparation of the reports.
  - c. What is included in the water loss category. Specifically, state whether the utility includes water loss from known leaks and breaks in the water loss category.
- A-2. a. Hyden-Leslie County Water District records daily influent plant totals. Customer meters are read monthly beginning on the 20th day of the month. The readings from the influent plant meters are combined to reflect the monthly total. Readings are then used from the monthly customer meter reading to calculate water loss. The monthly flushing reports, utility usage and fire department usage are then entered into the Water Loss Report. Utility Usage includes the total water used in the production process. Several items on the Utility Usage form are listed because flow totals are calculated from the raw water meter. Utility Usage form records usage related to sand pump waste, grit remover flush water, backwash water, basin drainage (backwash), pump cooling, instrument usage as well as water hoses, carrier water, and dilution water.
  - b. L.J. Turner, Water District Manager.
  - c. Water loss category includes Tank Overflows, Line Breaks (i.e., repaired leaks), Line Leaks (i.e., unlocated or unrepaired leaks), and Other.

#### Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 3

- Q-3. State whether the water utility has completed a water loss detection plan.
  - a. If the answer is yes, provide a copy of the last completed water loss detection plan.
  - b. If the answer is no, explain why a water loss detection plan has not been completed.
- A-3. a. A copy of last completed water loss detection plan is attached. Hyden-Leslie County Water District performs nightly tank drawdowns to determine areas of high usage. Average total customer usage in the zone area is used to calculate zone usage. Customer average usage is based on meter readings.
  - b. Not applicable.

#### WATER LOSS PREVENTION AND LEAK DETECTION

The goal of the water loss program is to reduce "unaccounted-for water" to zero. In doing so, real and apparent losses must be addressed. Real loss consists of physical water losses from leaks, line breaks, tank overflows, etc. and places a financial and operational burden on the utility. Apparent loss consists of unauthorized consumption, customer metering inaccuracies, and errors in the meter reading and billing processes. This can result in overtime and wasted hours testing for leaks that are not real.

#### Water Accountability

Water Purchased – Water Sold = Non-Revenued Water

Non-Revenued Water - Water Used (i.e. flushing, breaks, etc.) = Accounted-for Water

Non-Revenued Water - Accounted-For Water = Unaccounted-For Water

Proper distribution management is the key to reducing water loss. Standard methods such as creating hydraulically isolated zones, accurate metering, pressure monitoring, tank performance, demand factoring and preventative maintenance are needed to identify real water loss.

The following plan outlines processes and procedures the District will conduct on a routine basis to identify and repair water line leaks, monitor water usage, eliminate tank overflows, to reduce its overall water loss.

#### 1. Records

- A. Infrastructure: Knowledge of water system components and how they function under normal operating conditions is crucial to identifying where water loss occurs. Infrastructure inventory, maintenance and operational performance records are maintained where applicable.
  - Water meters
  - Water mains
  - Service lines
  - Valves
  - Hydrants
  - Storage tank

- B. Customer: Billing and water usage data needs to be maintained as a historic record so that apparent losses can be identified.
  - Meter readings
  - Billing adjustments
  - Count of active/in-active meters
  - Total water usage by zone

#### 2. Routine Procedures:

#### A. Daily

- Record all WTP plant totals (Raw Water, High Service, Utility Usage Meter, etc.)
- All distribution personnel (meter readers, maintenance, etc.), shall immediately report any identified water leaks, tank overflows, or other concerns that are presently or could result in water leaks or loss.
- Water leaks, given the urgency of the problem reported are repaired immediately or at the earliest possible time;
- All office personnel shall immediately report any customer reported leaks, tank overflows, pressure problems, or other issues (whether during regular operational hours or after hours) to the Operator.

#### B. Monthly

- Read customer meters approximately the same time;
- Record fire department usage
- · Compile estimated loss from flushing, line brakes, overflows, etc.;
- Compile customer usage by hydraulic zone; and
- Analyze data with water audit and demand factor spreadsheets (see Appendix D).

#### C. Annually

- Customer meters will be tested every ten years to ensure that they are registering water accurately;
- All meters will be replaced, as warranted.

#### 3. Leak Detection Procedures

- A. On a routine basis, as system operations permit, the Manager will assemble a leak detection team to check zones during a time when customer usage is minimal. This allows field personnel to go valve to valve (and often meter to meter) with listening devices and detect abnormal flows without affecting customer service. Personnel will perform leak detection in those areas with the highest known water loss, based on routine data collection and analysis.
- B. Outside consultants such as Kentucky Rural Water, contract engineer or industry specialists are utilized as circumstances dictate.

#### Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 4

- Q-4. State whether the water utility has completed a comprehensive unaccounted-for water loss reduction plan.
  - a. If the answer is yes, provide a copy of the last completed comprehensive unaccounted-for water loss reduction plan.
  - b. If the answer is no, explain why a comprehensive unaccounted-for water loss reduction plan has not been completed.
- A-4. a. Hyden-Leslie County Water District has identified the repairs and infrastructure upgrades necessary to reduce unaccounted-for water loss. A comprehensive list of those repairs and infrastructure upgrades is attached to this Response. Hyden-Leslie County Water District has not determined the best or most practical options for funding the listed repairs and upgrades.
  - b. Not applicable.

### Infrastructure Repairs and Upgrades

Master Meters (Water Loss)

Dollar Store Tank Leaking

Sand pump and Actiflo issues with Debris

Sludge Drying Beds

River crossing at Save-a-lot

4 pickup trucks

Water line replacement in wooton (from 80/699-past WB muncy)

WTP SCADA Control issues

Meter Replacement

Service lines hooked to new line in town

Water line replacement in Honeysuckle

Rockhouse BPS

Polls Creek (Daily Road) Line after BPS

Main Line from Pennington's to Lumber Yard (AC)

Locust & Oak Street 3" (gray line)

Backhoe and Dump truck

Telemetry issues in the Distribution System

Spur Tank Leaking

Billing System

Raise plant hatch's

Hurricane Creek Line 3" (gray line)

River Road 1.1miles (creek bank)

Bear Hollow 3" (gray line)

Rockhouse Tank leaking

Owls Nest BPS

EH Witt Road (gray line)

Short Creek line replacement

Mouth of Wooton 300' (Gray Line)

Osborne Fork Creek crossing (exposed)

Wilder (suction side of pump) line exposed

Army Trail 100' of 3" line

Jason's Branch line replacement (1 1/4" glue joint pipe)

HWY 699 Main (Cutshin at the Cliffs)

Main Line from Main street to Goofys (AC)

Owls Nest Pressure Tank Replacement

Big Branch BPS 1

HWY 421 replacement from Muncy's Creek BPS to the tank (AC)

All Orignal lines installed in the 1960's (approx 44,000')

### Items are not listed in order based on priority

#### Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 5

- Q-5. Describe and provide the results of all water loss reduction projects that the water utility has initiated from January 1, 2015, to the date of the issuance of this Order.
- A-5. Hyden-Leslie County Water District has replaced an old section of main and a booster pump station for the Hospital Hill area in March 2019 that required repairs. While this replacement has not resulted in a significant reduction of water loss, it has permitted the water district's field staff to detect and repair leaks in other sections of Hyden-Leslie County Water District's system. Hyden-Leslie County Water District is also working to secure funding to install new booster pump stations with variable frequency drives. Procurement of these pump stations should reduce leaks by reducing pressure spikes that occur when pumps start and stop. Hyden-Leslie County Water District if also focusing on smaller system improvements such as installing gate valves and leak detectors throughout the system to enable it to more promptly locate and repair leaks and ultimately reduce the level of water loss.

#### Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 6

- Q-6. Provide a copy of the utility's most recent and updated annual and long-range Capital Improvement Plans.
- A-6. Hyden-Leslie County Water District does not currently have a capital improvement plan. It has identified several capital improvement projects that have been entered into the Water Resource Information System and are being reviewed for possible funding. It is also reviewing several potential capital improvement projects to assist in leak detection.

#### Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 7

- Q-7. Provide the names of the persons or entities responsible for assisting the utility with capital improvement planning, grant application assistance, engineering design, and construction services.
- A-7. The persons or agencies who assist Hyden-Leslie County Water District in these areas are: L.J. Turner. Hyden-Leslie County Water District's Manager; Mike Maggard, SME Engineering; Bryan Kirby, CEDA Inc.; Rural Community Assistance Program; and Kentucky River Area Development District.

#### Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 8

- Q-8. Provide a copy of the utility's preventative maintenance program for the plant, pump, and storage facilities.
- A-8. Hyden-Leslie County Water District does not have a written preventative maintenance program. It conducts monthly inspections of its plant, pump, and storage facilities. A copy of the monthly inspection report is attached to this Response. Hyden-Leslie County Water District's Manager reviews these reports monthly and determines the appropriate corrective and preventive maintenance.

# QUESTION 8\_ATTACHMENT PAGE 1 of 3

#### Water Tank Inspection

Tank Location/ Name:	Type:
Tank Capacity:	Welded Metal ( ) Steel-Glass Lined ( )
Date Constructed:	Stainless Steel ( ) Concrete ( )
Site  Does drainage slope away from tank? Yes ( ) No ( ) Is ground soft or wet around tank area? Yes ( ) No ( )	
Foundation Is concrete foundation cracked? Yes ( ) No ( ) Is there a gap between Concrete and Tank Structure? Yes ( ) No Condition of anchor bolts? Good ( ) Bad ( )	)( )
	) No() ping Device() per() per()Neither() per()Bad()
Comments:	
Inspection Made By:	

#### **Pump Station Inspection Report**

Date: Time:	
Pump Location/Name	Type: Centrifugal ( ) Vertical Turbine ( ) Submersible ( )
Number of Pumps in Station: Horse Power:	o ( )
Pump Station Current Status at Inspection  Pump running? Yes ( ) No ( )  Suction Pressure Discharge Pressure  Any signs of Leakage Yes ( ) No ( )  Comments:	

#### **Treatment Plant Monthly Inspection Report**

Date:	
Raw Water Intake Structure Condition? Good ( ) Fair ( ) Poor ( ) Raw Water Pump Type ? Submersible Condition? Good ( ) Fair ( ) Poor ( ) Any excessive noise or vibration? Yes ( ) No ( )	Flash Mix Basin Mixer motor operable? Yes ( ) No ( )  Flocculation Basins 1-2-3 Mixer Motor Operable? Mixer 1 - Yes ( ) No (
Sedimentation Basins 1 & 2 Condition of Tube Settlers? Good ( ) Fair ( ) Poor ( Condition of Weirs? Good ( ) Fair ( ) Poor ( )	)
Filters 1 - 2- 3 Influent Valves Operating Properly? Yes ( ) No ( ) Drain Valve Operating Properly? Yes ( ) No ( ) Filter to waste valves Operating properly? Yes ( ) No ( ) Filter controllers operating properly? Yes ( ) No ( ) Loss of head gauges working properly? Yes ( ) No (	
High Service Pumps Pump Type: Vertical Turbine Any excessive noise or vibration? Yes ( ) No ( ) Any excessive water around packing? Yes ( ) No ( ) Condition? Good ( ) Fair ( ) Poor ( )	
Back Wash Pump Type? Vertical Turbine Any excessive noise or vibration? Yes ( ) No ( ) Any excessive water around packing? Yes ( ) No ( ) Condition? Good ( ) Fair ( ) Poor ( )	
Other Chlorine Monitor Operable? Yes ( ) No ( ) Turbidity Monitors Operable? Yes ( ) No ( ) Chlorine Alarm Operable? Yes ( ) No ( ) Turbidity High Alarms Operable? Yes ( ) No ( )	
Comments:	
Inspection Made By:	

#### Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 9

- Q-9. State whether the water utility has assigned specific personnel the responsibility to detect and fix of water line leaks, and if so, state the names and job titles of such personnel and describe the functions and duties of each.
- A-9. Hyden-Leslie County Water District has not assigned specific personnel the responsibility to detect and repair leaks. All field personnel are responsible for detecting and repairing leaks.

#### Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 10

- Q-10. State whether leak detection is conducted on a daily basis, and if not, state the reasons why not.
- A-10. Hyden-Leslie County Water District conducts leak detection on a daily basis. Tank drawdowns are conducted each night to identify any unusual usage.

#### Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 11

- Q-11. Provide the number of completed water line leak repairs by category, i.e., mains, service lines, etc. that were completed from September 1, 2018, to the date of the issuance of this Order.
- A-11. Hyden-Leslie County Water District repaired 141 leaks during this period. See Attachment to this Response.

# QUESTION 11\_ATTACHMENT PAGE 1 of 5

28800	split	4 days	л	ת ת	699 past trace	3	11/5/2019
8640	split	2 days	ω	2"	David Clark	1	11/1/2018
2,014,680	Total						
1339200		31 days	30		Plant tank		
6600	bell	2 hours	55	ω	Trace Br Main	12	10/31/2018
7200	split	1 day	51	3/4"	RiverRd	11	10/26/2018
28800	split	2 days	10	2"	Glory Lane	10	10/19/2018
259200	split	18 days	10	3/4"	EH Witt Rd	9	10/18/2018
60480	service	7 days	6	3/4"	Wanda Mosley	8	10/17/2018
122400	service	17 days	5	3/4"	Hurricane Rd	7	10/17/2018
14400	bell	2 days	5	4"	Camp Creek Main	6	10/15/2018
17280	split	12 days	Þ	4"	Camp Creek past Heavenly In	5	10/12/2018
28800	split	2 days	10	4"	Paul Coots	4	10/11/2018
115200	split	4 days	20	3"	Bad Creek Main	ω	10/10/2018
4320	service	3 days	Ľ	3"	Jeff Wright	2	10/3/2018
10800	service	12 hours	15	3/4"	Polly Maggard	1	10/3/2018
3,021,480	Total						
1296000		30 days	30		Plant Tank	17	9/30/2018
86400	split	20 days	ω	1"	Eric Barger	16	9/26/2018
86400	split	3 days	20	2"	Hospital Hill Carolyn Johnson	15	9/24/2018
9000	split	2 hours	75	<b>∞</b>	Main Cutshin	14	9/22/2018
288000	split	20 days	10	3"	Ash Lane	13	9/21/2018
28800	split	4 days	ъ	3/4"	Days Power Sports	12	9/19/2018
57600	split	2 days	20	3/4"	Lewis Grocery	11	9/19/2018
777600	split	18 days	30	3"	Upper Wooton	10	9/18/2018
129600	split	18 days	5	3/4"	DJ Wells	9	9/18/2018
46800	split	3 hours	260	6"	699 Main Line	80	9/14/2018
47520	service	11 days	ω	3/4"	Robin Boggs	7	9/11/2018
7200	service	1 day	5	3/4"	Judy Muncy	6	9/8/2018
18000	split	5 hours	60	6"	699 Main Line	5	9/7/2018
60480	service	6 days	7	3/4"	<b>Brittney Lowe</b>	4	9/7/2018
57600	split	2 days	20	ω	Bad creek Main	ω	9/4/2018
11520	service	4 days	2	3/4"	Barry Vanover	2	9/4/2018
12960	split	3 days	3	<b>4</b> "	Camp Creek	1	9/3/2018
Estimated Total Loss	Cause	Duration of Leak	Estimated GPM	Line Size	Location	Leak Number	Date Repaired
		ESCHILIPED					

### QUESTION 11\_ATTACHMENT PAGE 2 of 5

split	6 hours	20	2"	Bowling Branch	16	12/16/2018
	14 days	7	3/4"	Pecan Lane	15	12/14/2018
service	13 days	10	3/4"	BJ Young	14	12/13/2018
MJ Gasket	3 days	30	4"	Essie BPS Reducer	13	12/13/2018
clamp leaking	12 days	7	6	406 at knobb Lick	12	12/12/2018
split bell	11 days	5	o."	406 Dip	11	12/11/2018
split	11 days	15	2"	Ash Lane	10	12/11/2018
setter damged	10 days	5	3/4"	Eddie Pack	9	12/10/2018
service	2 days	10	3/4"	Doc Hacker	80	12/7/2018
Bell	4 hours	100	4"	Jacks Creek Main	7	12/7/2018
service	6 days	ω	3/4"	Coy Duff	6	12/6/2018
service	6 days	1	3/4"	Eldon Hoskins	ъ	12/6/2018
clamp leaking	4 days	5	4.	Doug Pack	4	12/4/2018
clamp leaking	3 days	10	6	Willie Sandlin Pool	ω	12/3/2018
wet tap leaking	12 hours	60	୍ର -	Car Wash Cutshin	2	12/3/2018
split	4 hours	400	6	Ronnie Gross	1	12/1/2018
Total						
	30 days	30		Plant Tank		
setter	3 days	2	3/4"	Jessica Couch	21	11/30/2018
bell	12 hours	15	ω	Honeysuckle Discharge	20	11/28/2018
romac leaking	1 day	15	ω	Honeysuckle	19	11/27/2018
split	4 days	20	ω <u>.</u>	Polls Creek #2	18	11/26/2018
Split	4 hours	60	ω <sub>1</sub>	Bad Creek Main	17	11/22/2018
prv failed	3 hours	200	1"	Laurel Fork	16	11/22/2018
split	12 hours	30	1"	Lilly Lane	15	11/21/2018
service	4 days	5	3/4"	Army Trail	14	11/19/2018
split	2 days	5	3/4"	Glory Lane	13	11/19/2018
split	10 days	ω	3,	Honeysuckle	12	11/19/2018
service	1 day	50	3/4"	Greasy	11	11/19/2018
split	2 days	15	۵	Bowling Branch	10	11/19/2018
service	2 days	15	3/4"	Tommy Sizemore	9	11/18/2018
service	6 hours	100	6"	Wooton Main line Jerry Baker	80	11/17/2018
pulled apart	3 days	40	6"	Cutshin Bridge	7	11/16/2018
split	2 hours	30	4"	Main Line Jacks creek	6	11/16/2018
split	15 days	5	3,1	Honeysuckle	5	11/15/2018
service leak	8 days	15	3/4"	Mary Mildtown	4	11/8/2018
CI CCV MOSIL OUT	0110013	9	4	Capoliferoix	(	++10/1010

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3,592,320	Total						
1339200	tank leaking	31 days	30		Plant Tank		
172800	bell	8 days	15	2"	Dixon Branch	28	12/28/2018
216000	clamp leaking	10 days	15	8	Saw Branch	27	12/28/2018
3000	Customer hit line	1 hour	50	3	Grassy	26	12/28/2018
16200	split	18 hours	15	3"	Honey Suckle	25	12/26/2018
112320	split	26 days	ω	3"	Honey Suckle	24	12/26/2018
27000	split	3 hours	150	6"	Joe Adams	23	12/26/2018
36000	split	1 day	25	6"	Camp Creek	22	12/21/2018
36000	split	1 day	25	3	Mountain Side LN	21	12/20/2018
18000	bell	6 hours	50	4"	Camp Creek	20	12/19/2018
27000	Bell Leaking	3 hours	150	2"	Hendrix Branch	19	12/18/2018
144000	service	10 days	10	3/4"	BJ Young	18	12/18/2018
171360	clamp leaking	17 days	7	6"	Camp Creek	17	12/17/2018

### QUESTION 11\_ATTACHMENT PAGE 4 of 5

Date Renaired	leak Number	location	Line Size	Duration of	Estimated	Estimated Duration of Leak	Cause	Estimated Total Loss
1/1/2019	1	Osborne Fork	4"		50	2 hours	slip	6,000
1/2/2019	2	Jason's Branch	1.5"		10	7 days	coupling leaking	100,800
1/2/2019	ω	Saw Branch	ယ <u>ူ</u>		40	13 hours	bell Pulled out	31,200
1/3/2019	4	Muncy Auto	3/4"		10	3 days	clamp leaking	43,200
1/5/2019	5	Mountain Side Lane	ω <u>ı</u>		100	2 hours	road slide	12,000
1/6/2019	6	Rock Hill ( Bowling Branch)	2"		30	2 hours	road slide	3,600
1/7/2019	7	Shannon Crisp	3/4"		5	4 days	split in service	28,800
1/7/2019	00	<b>Busy Hollow</b>	4"		5	7 days	leaking clamp	50,400
1/7/2019	9	699 past post office	6		10	5 days	leaking clamp	72,000
1/7/2019	10	ASH Lane	ယ္ခ		5	7 days	split	50,400
1/8/2019	11	Mountain Side Lane	ω		10	1 day	road slide	14,400
1/8/2019	12	EH Witt Ln	သူ		ω	8 days	split in Gray Line	34,560
1/9/2019	13	Salt well	4"		6	9 days	leak on MJ	77,760
1/9/2019	14	Cutshin around C389-000	3/4"		10	9 days	service	129,600
1/17/2019	15	Honey Suckle	ω		5	3 days	bell Pulled out	21,600
1/18/2019	16	Preachers Fork	3/4"		30	10 days	service	432,000
1/22/2019	17	Joe Adams Main	6"		20	6 days	split	172,800
1/22/2019	18	Dog Wood Lane	ω		20	2 days	bell Pulled out	57,600
1/23/2019	19	Mud Lick	ယ္ခ		75	4 hours	bell Pulled out	18,000
1/28/2019	20	Muncy Crk Main Bill Hortons	<b>∞</b>		1000	20 mins	Split	20,000
1/29/2019	21	<b>Buffalo MTN</b>	6"		200	30 mins	Tree Busted Line	6,000
		Plant tank			30	31 days		1,339,200
		Spur tank			5	31 days		223,200
							Total	2,945,120
2/2/2019	1	<b>Greasy Main</b>	4"		20	8 hours	Rock Slide	9,600
2/2/2019	2	Wooton School Tie in	ଗୁ		10	4 days	bell Pulled out	57,600
2/4/2019	ω	Wayne Patterson	ယ္ခ		2	4 days	clamp leaking	11,520
2/4/2019	4	Bill Don Morgan	ယ္ခ		ω	4 days	2 clamps leaking	17,280
2/5/2019	5	Honeysuckle	<u>ي</u>		10	5 days	split bell	72,000
2/6/2019	6	Mallard Lane	1"		1	6 days	clamp leaking	8,640
2/8/2019	7	Asher's Branch	ယ္ခ		15	8 days	bell Pulled out	172,800
2/8/2019	00	Ash Lane	ω		15	8 days	bell Pulled out	172,800
2/11/2019	9	HWY 257 Randall Combs	4"		5	11 days	split	79,200
2/13/2019	10	HWY 80 @ Enos Turner	4"		600	40 min	split in main	24,000
2/15/2019	11	699 Main	<b>୍ଷ</b>		190	4 hours	split in main	45,600
2/18/2019	12	<b>Bowling Branch</b>	2"		25	1 day	pulled out of coupling (Slip)	36,000
2/18/2019	13	Osborne Fork Main	4"		55	9 hours	pulled out of coupling (Slip)	19,800
2/19/2019	14	Nebraska Lane	4"		200	3 hours	pulled out of bell (Slip)	36,000
2/21/2020	15	Camia Propoh	2		100	2 hours	County bustod	13 000

# QUESTION 11\_ATTACHMENT PAGE 5 of 5

4 458 180	Total						
1,339,200	tank leaking	31 days	30		Plant Tank		
223,200	tank leaking	31 days	5		Spur Tank		
388,800	clamp leaking	18 days	15	4"	Main at Mallard Lane	16	3/29/2019
288,000	clamp leaking	10 days	20	6"	HWY 406 at Wayne Baker	15	3/23/2019
14,400	coupling leaking	5 days	2	3/4"	Up Wooton	14	3/22/2019
1,728,000	Split	20 days	60	6"	<b>Hurts Creek BPS</b>	13	3/20/2019
17,280	Service split	2 days	6	3/4"	Wayne Collett	12	3/20/2019
86,400	service split	20 days	ω	3/4"	Shannon Crisp	11	3/20/2019
64,800	service split	3 days	15	3/4"	Roger Adams	10	3/19/2019
21,600	Clamps Leaking (Slide)	6 hours	60	4"	Down River (Ricky Muncy)	9	3/13/2019
6,300	bell Pulled out (Slip)	7 hours	15	2"	Rock Hill Lane (BB)	8	3/12/2019
14,700	bell Pulled out (Slip)	7 hours	35	4"	Osborne Fork	7	3/12/2019
72,000	clamp leaking (Romac)	2 days	25	6"	Main Line Wolfe	6	3/11/2019
11,520	service	8 days	ı	3/4"	John Roberts SVC	5	3/8/2019
4,800	split (Road Slide)	1 hour	80	4"	Main Line Big Branch	4	3/7/2019
1,500	split	1 hour	25	<b>6</b> "	699 at Bobby Boggs	ω	3/6/2019
46,080	bell Pulled out (Slip)	4 days	00	2"	Main Line Bowling Branch	2	3/4/2019
129,600	bell Pulled out (Slip)	3 days	30	ယူ	Saw branch	1	3/4/2019
2,805,840	Total						
201,600	tank leaking	28 days	5		Spur Tank		
1,209,600	tank leaking	28 days	30		Plant tank		
72,000	Flusher running	5 days	10	2"	Nina Taylor (flusher)	26	2/28/2019
374,400	split	26 days	10	ယ္ခ	Albert Wells Dr	25	2/26/2019
28,800	Bell pulled out (slip)	1 day	25	4"	Camp Creek Main (Jesse)	24	2/25/2019
7,200	split	3 hours	40	2"	Camp Creek Billy Collett	23	2/24/2019
19,200	runoff Service came apart	8 hours	40	3/4"	Rosco Fee on Pound Mill	22	2/24/2019
30,000	(Slip) broke service	10 hours	50	1"	Essie Mtn	21	2/24/2019
28,800	pulled out of bell (slip)	2 days	10	2"	Black Gold Lane	20	2/24/2019
12,000	bell Pulled out (Slip)	4 hours	50	2"	Ash Lane	19	2/23/2019
14,400	bell Pulled out (Slip)	8 hours	30	ယ္ခ	Ridge Road	18	2/22/2019
15,000	bell Pulled out	50 mins	300	4"	HWY 80 @ Enos Turner	17	2/21/2019
18,000	bell Pulled out (Slip)	10 hours	30	4"	Saylor Main	16	2/21/2019

### Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 12

- Q-12. Provide copies of each work order generated to investigate leaks reported by customers of the utility from September 1, 2018, to the date of the issuance of this Order.
- A-12. Work orders for leak repairs performed for the period in question are contained in the Attachment to this Response.

Date: 11-18-18 Time:
Customer Name: Jonny 57 Temore (Hmy 406)  Account Number: Location Number
Physical Address Route Number
Description of Work Needed
Meter Relocation Special Instructions: Legu On Suc In
Meter Box Replacement
Meter Lid Replacement  10 to 15 6 PM
Meter Reading Re-Check
Leak Repair
Customer Assistance
Other
Equipment Used Work Completed BY
Unit 1 Unit 5 Case Backhoe 1 601 606 Unit 2 Unit 6 John Deere Backhoe 2 602 607 Unit 3 Unit 7 Air Compressor 603 608 Unit 4 Unit 8 Other 609 605 610
Parts Used
1314 Brass Coupling 1314 PVC Coupling
Time Arrived at Location: 415 Work Order Completed By:  Time Departed Location: 615  Date Work Completed: 10 10 10 10 10 10 10 10 10 10 10 10 10

Date: 1-17-18 Time: 7:30 Customer Name: Wooton main In on 80 Were Jerrybaker Account Number:\_\_\_\_\_ Location Number\_\_\_\_\_ Route Number\_\_\_\_\_ Physical Address Description of Work Needed Special Instructions: 100 6 Meter Relocation Meter Box Replacement Meter Lid Replacement Old houses in Meter Reading Re-Check Leak Repair **Customer Assistance** Other **Equipment Used** Work Completed BY Unit 1 Unit 5 601 Case Backhoe 1 606 Unit 2 Upit 6 John Deere Backhoe 2 602 607 603 Unit 3 Unit 7 608 Air Compressor Unit 4 Other 604 609 605 610 Parts Used Time Arrived at Location: 4000 7:30 Work Order Completed By: Time Departed Location: 10:15 CCR DC DN JB Date Work Completed: Vehicle Milage:

Date: 11-16-18 Time:
Customer Name: Mun Wit JACKS CLOCK
Account Number: Location Number
Physical Address Route Number
Description of Work Needed
Meter Relocation Special Instructions: STATE Brake
Meter Box Replacement 41 Line
Meter Lid Replacement
Meter Reading Re-Check
Leak Repair
Customer Assistance
Other
Equipment Used Work Completed BY
Unit 1 Unit 5 Case Backhoe 1 606 Unit 2 Unit 6 Unit 7 Air Compressor 603 608 Unit 4 Unit 8 Other 605 610
Parts Used
14" Short Hymax APR 30 cfr
Time Arrived at Location: 11.10 Av Work Order Completed By:  Time Departed Location: 345 F  Date Work Completed: 117 16 16  Vehicle Milage: 157366

account municer.	Number
Physical Address R	oute Number
Description of Work Needed	
Meter Relocation Special Instructions	s: Leak on bute value
Meter Box Replacement	
Meter Lid Replacement	
Meter Reading Re-Check	
Leak Repair	
Customer Assistance	
Other	
Equipment Used	Work Completed BY
Unit 1 Unit 5 Case Backhoe 1	601 GOG 40 GAM
Unit 2 Unit 6 John Deere Backhoe 2	602 607
Unit 3 Unit 7 Air Compressor	603 608
Unit 4 Unit 8 Other	604 609
	605 610
Parts Used	
1 14 1012 (1	1 1 1 6' caso saddle
1 6" cgoo Flange Pac Gril	
1 Short 6" Hymax	1 34" corrstop

Date: 11-15-18 Time:	_
Customer Name: Main Line	Honogsuckle
Account Number: Location	Number
Physical Address R	oute Number
Description of Work Needed	
Meter Relocation Special Instructions	s:
Meter Box Replacement	
П.,,	
Mater Banding Do Charle	
Leak Repair	
Customer Assistance	
Other	
Equipment Used	Work Completed BY
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	601 606 602 607 603 608 604 609 605 610
Parts Used	
13X75 Preclare	April Sofr
Time Arrived at Location: 3/37 From Time Departed Location: 3/37 From Date Work Completed: 15/255	Work Order Completed By:

Date: Time:
Customer Name: DAVIS CLANK
Account Number: Location Number
Physical Address Hussicans Route Number
Description of Work Needed Small
Meter Relocation Special Instructions: Leak NegloTher
Meter Box Replacement
Meter Lid Replacement
Meter Reading Re-Check
Leak Repair
Customer Assistance 2 Saddle was loose
Other
Equipment Used Work Completed BY
Unit 1
Unit 3 Unit 7 Air Compressor 603 608
Unit 4 Unit 8 Other 604 609 605 610
Parts Used
Time Arrived at Location: 8 145 Work Order Completed By:
Time Departed Location: 100  Date Work Completed: 100 × 15
Vehicle Milage:

Date: 11-6-18 Time: 6-36
Customer Name: Osboure for K Main line
Account Number: Location Number
Physical Address Route Number
Description of Work Needed  Meter Relocation Special Instructions. 45 6 PM
Meter Box Replacement  Meter Lid Replacement
Meter Reading Re-Check  Leak Repair
Customer Assistance
Equipment Used Work Completed BY
Unit 1 Unit 5 Case Backhoe 1 601 606 Unit 2 Unit 6 John Deere Backhoe 2 602 607 Unit 3 Unit 7 Air Compressor 608 Unit 4 Unit 8 Other 609 605 610
Parts Used  1 4" Hymax Short
Time Arrived at Location: 7:30  Time Departed Location: 10-30  Date Work Completed: 11-6-78  Vehicle Milage: Work Order Completed By:

Date: 1/-5-18 Time:		
Customer Name: 699 main	past Trace	
Account Number: Location	n Number	
Physical Address	Route Number	
Description of Work Needed		
Meter Relocation Special Instruction	ns:	
Meter Box Replacement		
Meter Lid Replacement		
Meter Reading Re-Check		
4 teak Repair		
Customer Assistance		
Other		
Equipment Used	Work Completed BY	
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	603 608	56PM
Parts Used		
1 10ng 6" HY max		
Time Arrived at Location: 100  Time Departed Location: 400	Work Order Completed By:	
Date Work Completed: 11-5-17	607	

Date: 11-1 - 18 Time: 10:00
Customer Name: Melissa Bosley
Account Number: 299   Location Number 3395-070
Physical Address Route Number
Description of Work Needed
Meter Relocation  Special Instructions: She has her  I've run down
Meter Lid Replacement to Creek She 15
Meter Reading Re-Check ready for ; +
Leak Repair
Customer Assistance
Other
Equipment Used Work Completed BY
Unit 1 Unit 5 Case Backhoe 1 601 606 Unit 2 Unit 6 John Deere Backhoe 2 602 607 Unit 3 Unit 7 Air Compressor 603 608 Unit 4 Unit 8 Other 605 610
Parts Used
314 by 31 Saddle   BOX 14 FT SUC   314 COPP   Staight getter 34   111
Time Arrived at Location: 10:00 Work Order Completed By:  Time Departed Location: CCR DN
Vehicle Milage:

Date: 10-31-18 Time: Customer Name: Trace branch main line Account Number:\_\_\_\_\_ Location Number\_\_\_\_\_ Route Number Physical Address Description of Work Needed Meter Relocation Special Instructions: Meter Box Replacement Meter Lid Replacement Meter Reading Re-Check Leak Repair **Customer Assistance** Other **Equipment Used** Work Completed BY Unit 1 Unit 5 Case Backhoe 1 601 606 Unit 2 602 607 Unit 6 John Deere Backhoe 2 603 608 Unit 3 Unit 7 Air Compressor Other\_\_\_\_ 604 609 Unit 4 Unit 8 605 610 Parts Used 3" Short HYMAX 50 to 60 gPM Time Arrived at Location: 5-55 Work Order Completed By: Time Departed Location: 9:00 ROR Date Work Completed: 10 - 31 - 18 Vehicle Milage:

ustomer Name: main Line Ri		
ccount Number: Location	Number	
hysical Address F	Route Number	
escription of Work Needed		
Meter Relocation Special Instruction	s: LeAK on 12	iver Rd
Meter Box Replacement		
7		
Meter Reading Re-Check		
Leak Repair		
Customer Assistance		
Other		
quipment Used	Work Completed BY	
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2	601 606	56pm
Unit 3 Unit 7 Air Compressor	603 608 -	
Unit 4 Unit 8 Other	604 609	
	605 610	
Parts Used		
2 3/4" conplings 1 3/4" White coupling		
1 3/41. White carel		

Date: 10-19-18 Time:	
Customer Name: Main line Glov	y lane
Account Number: Location	Number
Physical Address	Route Number
Description of Work Needed	
Meter Relocation Special Instruction	ns:
Meter Box Replacement	
Meter Lid Replacement	
Meter Reading Re-Check	
Leak Repair	
Customer Assistance	
Other	
Equipment Used	Work Completed BY
Unit 1 Unit 5 Case Backhoe 1	601 606
Unit 2 Unit 6 John Deere Backhoe 2	602 607
Unit 3 Unit 7 Air Compressor	603 608
Unit 4 Unit 8 Other	604 609
	605 610
Parts Used	
2 2" HYMAX 10' 2" PUC 10	SPM
Time Arrived at Location: 2.5 0	Work Order Completed By:
Time Departed Location: 5 > 30	222
Time Departed Location: 5 30 Date Work Completed: 10-19-18	S(V)(
Vehicle Milage:	

Date: 10-18-18 Time:	_	
Customer Name: EH with rd.		
Account Number: Location	n Number	-
Physical Address	Route Number	
Description of Work Needed		
Meter Relocation Special Instruction	ns: Leak on Ser	VIC
Meter Box Replacement		-
Meter Lid Replacement		
Meter Reading Re-Check		
Leak Repair		No. of the Control of
Customer Assistance		
Other		
Equipment Used	Work Completed BY	
Unit 1 Unit 5 Case Backhoe 1	601 606	10 6 pm
Unit 2 Unit 6 John Deere Backhoe 2		
Unit 3 Unit 7 Air Compressor	603 608	
Unit 4 Unit 8 Other	604 609 605 610	
Parts Used		
1 3/4" Coupling		
Time Arrived at Location: 1:30	Work Order Completed By:	
Time Departed Location: 3:30		
Date Work Completed: 10-18-18	DLC	
Vehicle Milage:		

Work Order
Date: 10-10-18 Time:
Customer Name: Empty Setter - Wande Mesly
Account Number: Location Number 5 198 - 600
Physical Address <u>Stinnett</u> Route Number 15
Description of Work Needed
Meter Relocation Special Instructions: Leak on Service
Meter Box Replacement
Meter Lid Replacement 6+08 GPM
Meter Reading Re-Check
Leak Repair
Customer Assistance
Other
Equipment Used Work Completed BY
Unit 1 Unit 5 Case Backhoe 1 601 606 Unit 2 Unit 6 John Deere Backhoe 2 602 607 Unit 3 Unit 7 Air Compressor 603 608 Unit 4 Unit 8 Other 609 605 610
Parts Used
Turned corpoff
Time Arrived at Location: 9:45  Time Departed Location: 12:05  Date Work Completed: 10-17-17  Vehicle Milage: Work Order Completed By:

Work Order
Date: 10-16-18 Time:
Customer Name: Hurricane Rd
Account Number: Location Number
Physical Address Route Number
Description of Work Needed  Meter Relocation Special Instructions: TOP OF H: 11
Meter Box Replacement Past The house
Meter Lid Replacement With The Concrete Wall
Meter Reading Re-Check
Leak Repair SUC / EGK:05
Customer Assistance
Other 56PM
Equipment Used Work Completed BY
Unit 1 Unit 5 Case Backhoe 1 601 606 Unit 2 Unit 6 John Deere Backhoe 2 602 607 Unit 3 Unit 7 Air Compressor 603 608 Unit 4 Unit 8 Other 604 609 605 610
Parts Used
Brossyly Coupling
Time Arrived at Location: 9:55  Time Departed Location: 11:55  Date Work Completed: 10-17-18  Vehicle Milage:

Work Order	J
Date: 10-12-18 Time:	
Customer Name: Camp Creek.	
Account Number: Location	on Number
Physical Address	Route Number
Meter Box Replacement  Meter Lid Replacement	ons: leak past Heavenly
Leak Repair  Customer Assistance  Other	Clamp leaking
Equipment Used  Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	Work Completed BY    601
Parts Used  1 4" long hymax 16P	'm
Time Arrived at Location: 10-30  Time Departed Location: 3-30  Date Work Completed: 10-15-18  Vehicle Milage: 10-2648	Work Order Completed By:

Account Number: Location	
Physical Address R	oute Number
Description of Work Needed	
Meter Relocation Special Instructions	s:
Meter Box Replacement	
Meter Lid Replacement	
Meter Reading Re-Check	
Leak Repair	
Customer Assistance	
	P Polled out of Bell
Equipment Used	Work Completed BY
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2	601 606
Unit 3 Unit 7 Air Compressor	603 608
Unit 4 Unit 8 Other	604 609
	605 610
Parts Used	
14" long hymax SgPM	
Time Arrived at Location 75.37	Work Order Completed But
Time Arrived at Location: 3:37 Time Departed Location: 7:50	Work Order Completed By:

Date: 10-5-18 Time:	
Customer Name: Mary middleto-	
Account Number: Location	Number 5235-000
Physical Address R	oute Number
Description of Work Needed	
	s: Small LeAk on Sve
Meter Box Replacement Edge OF	BlackTop
Meter Lid Replacement	
Meter Reading Re-Check	
Leak Repair	
Customer Assistance	
Other	
Equipment Used	Work Completed BY
Unit 1 Unit 5 (Lase Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	601 606 602 6607 603 608 604 609 605 610
Parts Used	
16" C400 saddle 13/4" ( 13/4" pand em Settel	corp stop
Time Arrived at Location: 900	Work Order Completed By:
Time Departed Location: 470  Date Work Completed: 18	607
Vehicle Milage:	

Account Number:	Location Number
Physical Address	Route Number 15
Description of Work Needed	
Meter Relocation	Special Instructions: Main line
Meter Box Replacement	
Meter Lid Replacement	206PM
Meter Reading Re-Check	
Leak Repair	
Customer Assistance	
Other	
	w to the law
Equipment Used	Work Completed BY
H H /H	Backhoe 1 601 606
H H/ H	Deere Backhoe 2 602 607
	ompressor 608 608
Unit 4 Unit 8 Other	604 609
	605 610
Parts Used	
1 Short 311 Clamp Cla	55 250
,	

Date: 10-11-18 Time: 2:050

Customer Name: Polls Creek M

Account Number:	Location Number
Physical Address	Route Number
Description of Work Needed	
Meter Relocation Special In	nstructions: before part coot
Meter Box Replacement	
Meter Lid Replacement	
Meter Reading Re-Check	
Leak Repair	
Customer Assistance	
Other	
Equipment Used	Work Completed BY
Unit 1 Unit 5 Case Backhoe Unit 2 Unit 6 John Deere Ba	
Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	
	605 610
Parts Used	
1 Short Clamp Class 25	0 (411)
Time Arrived at Location: 2:50	Work Order Completed By:
Time Departed Location: 3:45	10-11-18

Account Number:	Location Number
	Route Number
Description of Work Needed	
Meter Relocation	Special Instructions:
Meter Box Replacement	
Meter Lid Replacement	
Meter Reading Re-Check	•
Leak Repair	
Customer Assistance	
Other	
Equipment Used	Work Completed BY
Unit 2 Unit 6 John Unit 3 Unit 7 Air	e Backhoe 1 601 606 n Deere Backhoe 2 602 607 Compressor 603 608 eer 604 609 605 610
Parts Used	
80 Tubing 3/4 a 3/4 Tee 3/4 COSP	nd 2" yellow mine, PiPE rap 8 ton gravel
Time Arrived at Location: 10= Time Departed Location: 4=3	Work Order Completed By:

Customer Name: Woodsons Br. (Account Number: Location	
Physical Address R	oute Number
Description of Work Needed	
Meter Relocation Special Instructions	S:
Meter Box Replacement	
Meter Reading Re-Check	
Customer Assistance	
Other	
Equipment Used	Work Completed BY
Unit 1 Unit 5 Case Backhoe 1	601 606
Unit 2 Unit 6 John Deere Backhoe 2	602 607
Unit 3 Unit 7 Air Compressor	603 608
Unit 4 Unit 8 Other	604 609
	605 610
Parts Used	
0 ./	
1 Box.	
1 lid.	
i lid.	Work Order Completed By:
i lid.	Work Order Completed By:

Description of Work Needed	s: Legkin Creek
Description of Work Needed  Meter Relocation  Meter Box Replacement  Meter Lid Replacement  Meter Reading Re-Check	
Meter Lid Replacement  Meter Reading Re-Check	ne: 119
Meter Reading Re-Check	
Customer Assistance Other	
Equipment Used	Work Completed BY
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	601 606 602 607 603 608 604 609 605 610
Parts Used	
3" short clamp 2 gpm	

Customer Name: Polly maggard	Back Button
Account Number: Location	on Number
Physical Address	Route Number
Description of Work Needed	
Meter Relocation Special Instruction	ons: Replace Schlice
Meter Box Replacement	
Meter Lid Replacement	
П.,	
Leak Repair	
Customer Assistance	
Other	
Equipment Used	Work Completed BY
Unit 1 Unit 5 Case Backhoe 1	601 606
Unit 2 Unit 6 John Deere Backhoe	2 602 607
Unit 3 Unit 7 Air Compressor	603 608
Unit 4 Unit 8 Other	604 609
	605 610
Parts Used	
1 3/4" convling	
. /	
3/4" courling 3/4" courling	
	W. J. O. J C I. t J. D
Time Arrived at Location: 100  Time Departed Location: 530	Work Order Completed By:

ysical AddressLoc escription of Work Needed  Meter Relocation Special Instru	
escription of Work Needed	_ Route Number
Mater Polocation Special Instru	
_ ivieter Relocation	n Sizemores Service
Meter Box Replacement Brows	1 Sizemores Service
Meter Lid Replacement	
Meter Reading Re-Check	
Leak Repair	
Customer Assistance	
Other	
Equipment Used	Work Completed BY
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Back	
Unit 3 Unit 7 Air Compressor	603 608
Unit 4 Unit 8 Other	
	605 610
Parts Used	
1 3" Clard (	3/4" coupling
1 3" Suddle 2 3/4" COSP. Stops	
2 3/4 COSP. Stops	

Physical Address Route Number Description of Work Needed  Meter Relocation Special Instructions: Put in By Pass  Meter Box Replacement  Meter Lid Replacement  Meter Reading Re-Check  Leak Repair  Customer Assistance  Other  Equipment Used Work Completed By  Unit 1 Unit 5 Case Backhoe 1 G01 G06  Unit 2 Unit 6 John Deere Backhoe 2 G02 G07  Air Compressor G03 G08  Unit 4 Unit 8 Other G09  Parts Used  I ' Seft	Account Number:	Location Number
Meter Relocation Special Instructions: Put in By Pass  Meter Box Replacement  Meter Lid Replacement  Meter Reading Re-Check  Leak Repair  Customer Assistance  Other  Equipment Used Work Completed BY  Unit 1 Unit 5 Case Backhoe 1 G00 G00 G00 G00 G00 G00 G00 G00 G00 G		
Meter Box Replacement  Meter Lid Replacement  Meter Reading Re-Check  Leak Repair  Customer Assistance  Other  Equipment Used  Work Completed BY  Unit 1 Unit 5 Case Backhoe 1 G01 G06  Unit 2 Unit 6 John Deere Backhoe 2 G02 G07  Unit 3 Unit 7 Air Compressor G03 G08  Unit 4 Unit 8 Other G05 G10  Parts Used  I (' Selfor Z G' Prc Saddles Z I'' (SIP Stors)  Time Arrived at Location: (2:00 Work Order Completed By:	Description of Work Needed	
Meter Box Replacement  Meter Lid Replacement  Meter Reading Re-Check  Leak Repair  Customer Assistance  Other  Equipment Used  Unit 1 Unit 5 Case Backhoe 1  Unit 2 Unit 6 John Deere Backhoe 2  Unit 3 Unit 7 Air Compressor  Unit 4 Unit 8 Other  Parts Used  I ' Seft 2 G' Prc Saddles  I ' Seft 2 G' Prc Saddles  I ' Seft 2 G' Prc Saddles  I ' Math 2 I'' (SIP Stars)  Time Arrived at Location: (2:00 Work Order Completed By:	Meter Relocation	Special Instructions: Put in By Pass
Meter Reading Re-Check  Leak Repair  Customer Assistance  Other  Equipment Used  Unit 1 Unit 5 Case Backhoe 1 G00 G02 G07  Unit 2 Unit 6 John Deere Backhoe 2 G02 G07  Unit 3 Unit 7 Air Compressor G03 G08  Unit 4 Unit 8 Other G04 G09  Farts Used  Parts Used  I GO PVC Saddles  I GO Stops  Time Arrived at Location: COO Work Order Completed By:	Meter Box Replacement	
Leak Repair  Customer Assistance  Other  Equipment Used  Unit 1  Unit 5  Case Backhoe 1  John Deere Backhoe 2  Go2  Go3  Go3  Go8  Unit 3  Unit 7  Air Compressor  Other  Other  Parts Used  I (' Seft 2 G' Prc See Jalks  Unit A rrived at Location: (2:00 Work Order Completed By:	Meter Lid Replacement	
Customer Assistance  Other  Equipment Used  Unit 1 Unit 5 Unit 2 Unit 6 Unit 3 Unit 7 Air Compressor Other  Other  Parts Used  Parts Used  Time Arrived at Location:  Customer Assistance  Work Completed BY  601 606 607 608 608 609 605 610  Work Order Completed BY  Work Order Completed BY:	Meter Reading Re-Check	
Equipment Used  Work Completed BY  Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other  Parts Used  Parts Used  Time Arrived at Location: (2:00 Work Order Completed By:	Leak Repair	
Equipment Used  Unit 1 Unit 5 Unit 2 Unit 6 Unit 7 Unit 7 Unit 8 Unit 4 Unit 8  Parts Used  Work Completed BY  601 606 607 608 608 609 609 605 610  Parts Used  Unit 4 Unit 8 Unit 7 Unit 8 Unit 7 Unit 8 Unit 9 Unit 9 Unit 8 Unit 9 Uni	Customer Assistance	
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other  Parts Used  Parts Used  Parts Used  Parts Used  Time Arrived at Location: (2:00 Work Order Completed By:	Other	
Unit 2 Unit 6 John Deere Backhoe 2 602 607 Unit 3 Unit 7 Air Compressor 603 608 Unit 4 Unit 8 Other 604 609 605 610  Parts Used    1' Seft 2 6' Prc Saddles 2 1'' (or P Stops)  Time Arrived at Location: (2:00 Work Order Completed By:	Equipment Used	Work Completed BY
Unit 4 Unit 8 Other 609 605 610  Parts Used  1 1' 62#U 2 6' Prc Saddles 1 I' MeW 2 I'' (OIP Stops  Time Arrived at Location: 12:00 Work Order Completed By:		H
Parts Used    1   1'   Settor   2   6'   Pr c   Sandalles     1   metro   2   1''   (of P   Stops     Time Arrived at Location:   (2:00   Work Order Completed By:	H H/H	
1 1" Setter 2 6" Pre Sandalles  1 1" Metro 2 1" (OIP Stops  Time Arrived at Location: 12:00 Work Order Completed By:	ome on	
Time Arrived at Location: 12:00 Work Order Completed By:	Parts Used	
Time Arrived at Location: 12:00 Work Order Completed By:	1 1" sett	2 6" Pre saddles 2 1" (OIP Stops
Time Departed Leasting 2 : 20	Time Arrived at Leastien.	

	Number	
Physical Address <u>Rockhouse</u> F	Route Number 12	
Description of Work Needed		
Meter Relocation Special Instruction	S: SMALL LEBIC	07
Meter Box Replacement 111 Servi	'ce	
Meter Lid Replacement		-77
Meter Reading Re-Check		
Leak Repair		
Customer Assistance		
Customer Assistance		
Other		
Other	Work Completed BV	
Equipment Used	Work Completed BY	2.4
Equipment Used  Unit 1 Unit 5 Case Backhoe 1	601 606	3 61
Equipment Used  Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2	601 606 602 607	3 61
Equipment Used  Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor	601 606 602 607 603 608	3 61
Equipment Used  Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2	601 606 602 607	3 61
Equipment Used  Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor	601 606 602 607 603 608 604 609	3 61
Equipment Used  Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	601 606 602 607 603 608 604 609	3 61

Date: 01-24-18 Time: 11.15
Customer Name: Lois Besley
Account Number: 104 Location Number # 181 – 500
Account Number: 104 Location Number H181 - 000  Physical Address Route Number 3
Description of Work Needed
Meter Relocation Special Instructions: Change Setter  Meter Box Replacement Put flusher in
Meter Box Replacement P4+ flusher in
Meter Lid Replacement
Meter Reading Re-Check
Customer Assistance
Other
Equipment Used Work Completed BY
Unit 1 Unit 5 Case Backhoe 1 601 606 Unit 2 Unit 6 John Deere Backhoe 2 607 Unit 3 Unit 7 Air Compressor 603 608 Unit 4 Unit 8 Other 605 605
Parts Used
1'34 Tee Brass   Meter Box 1314 Corp Stop   34 Setter Storight
Time Arrived at Location: 11:15  Time Departed Location: 12:30  Date Work Completed: 9-24-18  Work Order Completed By:
Vehicle Milage:

Date: 9-24-18 Time: 10:11	
Customer Name: #05pt:af Hil	1 at Carolyn Johnso
Account Number: 997 Location	Number 4179-80
	oute Number3
Description of Work Needed	
Meter Relocation Special Instructions	s: 15+020 GPM
Meter Box Replacement	
Meter Lid Replacement	
Meter Reading Re-Check	
Leak Repair	A Lawrence
Customer Assistance	
Other	
Equipment Used	Work Completed BY
Unit 1 Unit 5 Case Backhoe 1	601 606
Unit 2 Unit 6 John Deere Backhoe 2	602 607
Unit 3 Unit 7 Air Compressor	603 608
Unit 4 Unit 8 Other	604 609
	605 610
Parts Used	
12" Hymax long	
Time Arrived at Location: 10:11	Work Order Completed By:
Time Departed Location:	1 - K
Date Work Completed:	
Vehicle Milage:	

Account Number: Location	Number
Physical Address R	
Description of Work Needed	
Meter Relocation Special Instructions	s: LeAG on 8" (900
Meter Box Replacement	
Meter Lid Replacement	
Meter Reading Re-Check	
Leak Repair	
Customer Assistance	
Other	
	Wark Completed BV
Equipment Used	Work Completed BY
Unit 1 Unit 5 Case Backhoe 1	601 606
Unit 2 Unit 6 John Deere Backhoe 2 Unit 7 Air Compressor	602 607 X 603 608
Unit 4 Unit 8 Other	3 604 X 609
A sum a P sum a P sum a	605 610
Parts Used	
	mp APR 750
18" Long 6000 clA	my like 150)

Work Order	
Date: 9-20-18 Time:	
Customer Name: Main Line Ash	LAne
Account Number: Locatio	n Number
Physical Address	Route Number
Description of Work Needed	
Meter Relocation Special Instruction	ns: LPAK on 3" main
Meter Box Replacement	
Meter Lid Replacement	
Meter Reading Re-Check	
Leak Repair	
Customer Assistance	
Other	
Equipment Used	Work Completed BY
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	601 606 602 607 603 608 604 609 605 610
Parts Used	
1 3" Snort Hxmat	
Time Arrived at Location: 9.30	Work Order Completed By:
Time Departed Location: 12:00	607
Date Work Completed: 9-21-18	

Date: 9-19-18 Time:
Customer Name: Gate Valve + By Pass meter in front of Big Creek School  Account Number: Location Number
Physical Address Route Number
Description of Work Needed
Meter Relocation Special Instructions: Pat in Gate Walnu
Meter Box Replacement & BXPSS Metal
Meter Lid Replacement
Meter Reading Re-Check
Leak Repair
Customer Assistance
U Other
Equipment Used Work Completed BY
Unit 1 Unit 5 Case Backhoe 1 601 606 Unit 2 Unit 6 John Deere Backhoe 2 607 Unit 3 Unit 7 Air Compressor 603 608 Unit 4 Unit 8 Other 604 2609
Parts Used
1-6" tymat 2-6" pvc saddles 1 34" meter
Time Arrived at Location: / 45 Work Order Completed By:
Time Departed Location: 7 /5  Date Work Completed: 9-19-18  Vehicle Milage:

Account Number:	Customer Name: Days Power	- Sports
Description of Work Needed    Meter Relocation   Special Instructions:     Meter Box Replacement   SEPM OF MOPE     Meter Lid Replacement   SEPM OF MOPE     Meter Reading Re-Check   Leak Repair     Customer Assistance   Other     Unit 1	Account Number:	Location Number
Description of Work Needed    Meter Relocation   Special Instructions:     Meter Box Replacement   SEPM OF MOPE     Meter Lid Replacement   SEPM OF MOPE     Meter Reading Re-Check   Leak Repair     Customer Assistance   Other     Unit 1	Physical Address	Route Number
Meter Box Replacement  Meter Lid Replacement  Meter Lid Replacement  Meter Reading Re-Check  Leak Repair  Customer Assistance  Other  Equipment Used  Work Completed BY  Unit 1 Unit 5 Good 600 600 600 600 600 600 600 600 600 60		
Meter Lid Replacement  Meter Reading Re-Check  Leak Repair  Customer Assistance  Other  Equipment Used  Unit 1 Unit 5 Case Backhoe 1 John Deere Backhoe 2 G02 G07  Unit 3 Unit 7 Air Compressor G03 G08  Unit 4 Unit 8 Other  Parts Used  2 314 Brass Coupling 5 AFT SVC I in C  1 3/4 PVC Coupling  Time Arrived at Location: 10: 45  Time Departed Location: 10: 45  Time Departed Location: 12: 00  Meter Lid Replacement  Work Completed BY  Work Completed BY  ### AFT SVC I in C  Work Order Completed By:  Time Departed Location: 10: 45  Work Order Completed By:	Meter Relocation Spe	ecial Instructions:
Meter Reading Re-Check  Leak Repair  Customer Assistance  Other  Equipment Used  Work Completed BY  Unit 1 Unit 5 Case Backhoe 1 601 606 Unit 2 Unit 6 John Deere Backhoe 2 602 607 Unit 3 Unit 7 Air Compressor 603 608 Unit 4 Unit 8 Other 604 609 Farts Used  23/4 Brass Coupling  Time Arrived at Location: 10: HS  Work Order Completed By: Time Departed Location: 10: HS  Work Order Completed By:	Meter Box Replacement	
Leak Repair  Customer Assistance  Other  Equipment Used  Unit 1  Unit 5  Unit 2  Unit 6  Unit 2  Unit 7  Air Compressor  Other  Other  Parts Used   Days a compliment Used  Parts Used  Days a compliment Used Used Used Used Used Used Used Used	Meter Lid Replacement	56pm or more
Leak Repair  Customer Assistance  Other  Equipment Used  Unit 1 Unit 5 Case Backhoe 1 Go1 Go6 Go7 Go7 Go7 Go7 Go9 Go5 Go7  Unit 3 Unit 7 Air Compressor Go3 Go8 Go9 Go5 Go9 Go5 Go7 Go9 Go9 Go7 Go9	Meter Reading Re-Check	
Customer Assistance  Other  Equipment Used  Unit 1  Unit 5  Unit 2  Unit 6  Unit 7  Air Compressor  Other  Other  Parts Used  2 3/4 Brass couplings  Time Arrived at Location: 10: HS  Time Departed Location: 12: 00  Other  Work Completed BY  601  602  607  603  608  604  609  605  610  Work Order Completed By:  Time Departed Location: 10: HS  Work Order Completed By:		
Equipment Used  Work Completed BY  Unit 1 Unit 5 Case Backhoe 1 G01 G06 Unit 2 Unit 6 John Deere Backhoe 2 G02 G07 Unit 3 Unit 7 Air Compressor G03 G08 Unit 4 Unit 8 Other G05 G04 G09 G05 G10  Parts Used  2 3/4 Brass Coupling  AFT SVC Line  Time Arrived at Location: 10: HS Work Order Completed By: Time Departed Location: 12:00		
Equipment Used  Unit 1 Unit 5 Unit 2 Unit 6 Unit 7 Unit 7 Unit 7 Unit 8 Unit 8  Parts Used  Unit 4  Unit 8  Unit 8  Unit 9  AFT SVC I'NE  Time Arrived at Location: 10: HS  Work Completed BY  Work Completed BY  601 606 607 608 609 609 605 610  Work Order Completed BY  Work Order Completed By:  Time Departed Location: 12:00		
Unit 1 Unit 5 Case Backhoe 1 G01 G06 Unit 2 Unit 6 John Deere Backhoe 2 G02 G07 Unit 3 Unit 7 Air Compressor G03 G08 Unit 4 Unit 8 Other G05 G10  Parts Used  2 3/4 Brass Coupling 5 AFT SVC Line 1 3/4 PVC Coupling  Time Arrived at Location: 10: HS Work Order Completed By: Time Departed Location: 12:00		Marile Commission DV
Unit 2 Unit 6 John Deere Backhoe 2 602 607 Unit 3 Unit 7 Air Compressor 603 608 Unit 4 Unit 8 Other 605 610  Parts Used  2 3/4 Brass Coupling 5 2 FT SVC 1 in C 1 3/4 PVC Coupling  Time Arrived at Location: †0: HS Time Departed Location: 12:00  Work Order Completed By:		
Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other 603 608    Unit 4 Unit 8 Other 605 610    Parts Used	HHH	
Unit 4 Unit 8 Other 609    God 609 610	H H H	
Parts Used  2 3/4 Brass couplings 13/4 PVC COUPLING  Time Arrived at Location: 10: HS  Work Order Completed By:  Time Departed Location: 12:00	HHHH	·
Parts Used  2 314 Brass Couplings 13/4 PVC Coupling  Time Arrived at Location: 10: HS  Work Order Completed By:  Time Departed Location: 12:00	Onit 4 Onit 8 Other_	
2314 Brass Couplings aFT SVC line 13/4 PVC Coupling  Time Arrived at Location: 10: 45  Time Departed Location: 12:00  Work Order Completed By:	Seed to 1	603 5 610
Time Arrived at Location: †0: HS  Work Order Completed By:	The second secon	
Time Departed Location: 12.00	13/4 Brass Couplings	aft suc line
Time Departed Location: 12.00	Time Arrived at Location: †0: HS	Work Order Completed By:
Date Work Completed: 9-19-18 9-19-18	Time Departed Location: 12:00	
	Date Work Completed: 9-19-15	8 9-19-18

Date: 9-19-18 Time:
Customer Name: Lewis Grocery
Account Number: 3518 Location Number C L/03 - 000  Physical Address Route Number 9
Physical Address Route Number
Description of Work Needed
Meter Relocation Special Instructions:
Meter Box Replacement
Meter Lid Replacement 20 GPM
Meter Reading Re-Check
Leak Repair
Customer Assistance
Other
Equipment Used Work Completed BY
Unit 1 Unit 5 Case Backhoe 1 601 606 Unit 2 Unit 6 John Deere Backhoe 2 607 Unit 3 Unit 7 Air Compressor 603 608 Unit 4 Unit 8 Other 604 609 605 610
Parts Used
13/4Brass Tee 25 FT SUC line
Time Arrived at Location: $3:15$ Work Order Completed By:  Time Departed Location: $5:20$ Date Work Completed: $9-19-18$ Vehicle Milage:

Date: 9-14-18 Time:	
Customer Name: 699 Main	
Account Number: Location	on Number
Physical Address	Route Number
Description of Work Needed	
Meter Relocation Special Instruction	ons:
Meter Box Replacement	
П	
П	
Leak Repair	
Other	
Equipment Used	Work Completed BY
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor	603 608
Unit 4 Unit 8 Other	605 610
Parts Used	
1 Short 6" Hxmax	
1 Short 6" Hxmax 1 Joint 6" (900	
Time Arrived at Location: 5:00 Am	Work Order Completed By:
Time Departed Location: 10:00 Am	Work Order Completed by.
Date Work Completed: 9-14-7-8	607
Vehicle Milage:	

Number
Leaun main
VALVO
ork Completed BY
601 606 602 6607 306pn 603 608 604 6609 605 610

ccount Number:	Location Number
hysical Address	Route Number 2
Description of Work Needed	
Meter Relocation Spec	ial Instructions:
Meter Box Replacement	
Meter Lid Replacement	
Meter Reading Re-Check	
Leak Repair	
Customer Assistance	
Other	
Equipment Used	Work Completed BY
Unit 1 Unit 5 Case Back	khoe 1 601 606
Unit 2 Unit 6 John Dee	re Backhoe 2 602 607
Unit 3 Unit 7 Air Comp	H H
Unit 4 Unit 8 Other	604 609
	605 610
Parts Used	
1 4" short puc cla	mp Ford
1 4" snort puc clas	134" corp stop
	2.7 2.60
Time Arrived at Location: / 40	Work Order Completed By:
Time Departed Location: 3 45	21
Date Work Completed: 9-10-18	

Date: Time:		/
Customer Name: BGTTNey low	<u> </u>	
Account Number: Location	on Number Wo 73-00	30_
Physical Address MOUTH OF HULLSAN	Route Number	
Description of Work Needed		
Meter Relocation Special Instruction	ons: Lean on Si	~
Meter Box Replacement		
Meter Lid Replacement		
Meter Reading Re-Check		
Leak Repair		
Customer Assistance		
Other		
Equipment Used	Work Completed BY	
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	601 606 602 607 603 608 604 609 605 610	7 GPM
Parts Used		
Pulled New line 30' 3/4	" CTS	
Time Arrived at Location: 1000	Work Order Completed By:	
Time Departed Location: 1 30	607	
Date Work Completed: 9-7-18	60 )	

Pescription of Work Needed  Meter Relocation Special Instructions:	
Meter Relocation Special Instructions:	
Weter Relocation Special Histractions.	
Meter Box Replacement	
Meter Lid Replacement	
Meter Reading Re-Check	
Leak Repair	
Customer Assistance	
Equipment Used Work Completed BY	
Unit 1 Unit 5 Case Backhoe 1 601 606 Unit 2 Unit 6 John Deere Backhoe 2 602 607	
Unit 3 Unit 7 Air Compressor 603 608	
Unit 4 Unit 8 Other 604 609	
605 610	
Parts Used	
. 41.5 5564	
1 3/4 Repair clamp som	

Customer Name: 699	main		
Account Number: Location Number			
Physical Address	Route Number		
Description of Work Needed			
Meter Relocation	Special Instruction	ns:	
Meter Box Replacement			
Meter Lid Replacement			
Meter Reading Re-Check			
Leak Repair			
Customer Assistance			
Other			
Equipment Used		Work Completed BY	
Unit 2 Unit 6 Joh Unit 3 Unit 7 Air	e Backhoe 1 n Deere Backhoe 2 Compressor ner	601 606 602 607 603 608 604 609 605 610	60 6 pm
Parts Used		[ 003	
1 6" long for	d Clamp		
Time Arrived at Location: 3 00	)	Work Order Completed By:	
Time Departed Location: 4 30		607	
Date Work Completed: <u>9-7-</u> Vehicle Milage:	18	<u> </u>	

Customer Name: <u>Lacille</u>	
Account Number:	Location Number
Physical Address	Route Number
Description of Work Needed	
Meter Relocation	Special Instructions:
Meter Box Replacement	
Meter Lid Replacement	
Meter Reading Re-Check	
Leak Repair	
Customer Assistance	
Other	
Equipment Used	Work Completed BY
Unit 1 Unit 5	Case Backhoe 1 606
Unit 2 Unit 6 J	ohn Deere Backhoe 2 602 607
Unit 3 Unit 7	Air Compressor 603 608
Unit 4 Unit 8	Other 604 609
	605 610
Parts Used	
1 3/4" courling	1 3/4" MPT Adarter
1 3/4" while cour	ling 1 3/4" Nipple Setter 1 3/4" Brass Sleve
1 3/4" Tandem	setter 1 3/4" Brass sleve
Time Arrived at Location:	9 3 0 Work Order Completed By:
Time Departed Location: /	
Date Work Completed: 9	
Vehicle Milage:	

stomer Name: Camp Creek n	nain (Belove Bady Prorque
count Number: Locatio	n Number
hysical Address	Route Number
escription of Work Needed	
Meter Relocation Special Instruction	ns: Lak pos. on clans
Meter Box Replacement by wha	the patterson house.
Meter Lid Replacement	
Meter Reading Re-Check	
	+ Bell on Joint Filling
Customer Assistance	
Other	
quipment Used	Work Completed BY 3 1 pm
dalpinent osea	3 6777
	CO4   COC
Unit 1 Unit 5 Case Backhoe 1	Work Completed BY 3 6 PM  601 606 602 607 606 609 609
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor	601 606 602 607 603 608
Unit 2 Unit 6 John Deere Backhoe 2	- 1002 1900/
Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor	603 608
Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor	603 608 604 609
Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other  Parts Used	603 608 604 609
Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other  Parts Used	603 608 604 609
Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other  Parts Used  2 4" Short Hy max 1 1" long Hymax	603 608 604 609 605 610
Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other  Parts Used	603 608 604 609

Date: 9-1/-/8 Time:
Customer Name: Bad creek main line
Account Number: Location Number
Physical Address Route Number
Description of Work Needed
Meter Relocation Special Instructions:
Meter Box Replacement
Meter Lid Replacement
Meter Reading Re-Check
Leak Repair
Customer Assistance
Other
Equipment Used Work Completed BY
Unit 1 Unit 5 Case Backhoe 1 601 606 Unit 2 Unit 6 John Deere Backhoe 2 602 607 Unit 3 Unit 7 Air Compressor 603 608 Unit 4 Unit 8 Other 609 605 610
Parts Used
1 Short 3" clamp 20 gpm
Time Arrived at Location: 11:00 Work Order Completed By:  Time Departed Location: 1:15  Date Work Completed: 9-11-18  Vehicle Milage: Work Order Completed By:

ate: 12-18-18 Time: 10:11:38	V
ate: 10 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	)
42-4	1
oustomer Name: Cutskin at De Hen	drix branch
Account Number:Location	Number
Physical Address R	oute Number
Description of Work Needed	
Meter Relocation Special Instructions	s:
Meter Box Replacement	main line 2"
Meter Lid Replacement Pulled a	Part
	pM
Meter Reading Re-Check	
Leak Repair	
Customer Assistance	
Other	
Equipment Used	Work Completed BY
Unit 1 Unit 5 Case Backhoe 1	601 606
Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor	602 607
Unit 4 Unit 8 Other	604 609
	605 610
Parts Used	
1211 long Hymax	
Time Amirod at Lacation 11:30	
Time Arrived at Location: 12:30	Work Order Completed By:
Vehicle Milage:	CCR. JB

Work Order	
Date: 12-17-18 Time:	
Customer Name: Ma, N I, he camp C	iceh
Account Number: Location	Number
Physical Address Re	oute Number
Description of Work Needed	
Meter Relocation Special Instructions	s:
Meter Box Replacement	
Meter Lid Replacement	
Customer Assistance	
Other	
Equipment Used	Work Completed BY
Unit 1 Unit 5 Case Backhoe 1	601 606
Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor	602 607
Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	603 608
	605 610
Parts Used	
Tighten clamp up 7gpm	6"
Time Andread and Anna /	
Time Arrived at Location: 10:36  Time Departed Location: 12:40	Work Order Completed By:
Date Work Completed: 12-17-18	ROA
Vehicle Milage:	

ate: (2-16-7) Time:
customer Name: Bowling Branch Osboure Fork Mai'r
Account Number: Location Number
Physical Address Route Number
Description of Work Needed
Meter Relocation Special Instructions:
Meter Relocation Special Instructions:  Meter Box Replacement  Special Instructions:  [5+0206PM]
Meter Lid Replacement
Meter Reading Re-Check
Leak Repair
Customer Assistance
Other
Equipment Used Work Completed BY
Unit 1
Parts Used
3 Feet 211 Class 250
Time Arrived at Location: 5:36 Work Order Completed By:
Time Departed Location: 6:20
Vehicle Milage:

Nork Order	
ate: 12-13 - 18 Time:	_
a a ck	tion
sustomer Name: Essie pmp sta	
Account Number: Location	
Physical Address Re	oute Number
Description of Work Needed	
	: Leak on 6" Side
Meter Box Replacement of Bel	Reducer
Meter Lid Replacement	
Meter Reading Re-Check	
Leak Repair	
Customer Assistance	
Other	
Equipment Used	Work Completed BY
Unit 1 Unit 5 Case Backhoe 1	
Unit 2 Unit 6 John Deere Backhoe 2	601 607 30 G PM
Unit 3 Unit 7 Air Compressor	603 608
Unit 4 Unit 8 Other	604 609
Parts Used	4
16" PUC Flance Pac 16	" Short Hymax.
(4 PVC Hare Pac	
Time Arrived at Location: (/ ' o o	Work Order Completed Pro
Time Departed Location: 9:45	Work Order Completed By:
Date Work Completed: 12-13 18	607

	turricone
Account Number: Location	Number
Physical Address R	oute Number
Description of Work Needed	
Meter Relocation Special Instruction	s:
Meter Box Replacement	
Meter Lid Replacement	
Meter Reading Re-Check	
Leak Repair	
Customer Assistance	V V
Equipment Used	Work Completed BY
Unit 1 Unit 5 Case Backhoe 1	601 606
Unit 2 <sup>th</sup> Unit 6 John Deere Backhoe 2	602 607
Unit 3 Unit 7 Air Compressor	603 608
Unit 4 Unit 8 Other	604 609
	605 610
Parts Used	
170 PS AT motor	2
SG PS, AT HoshesT	meter SACE DOVE
Time Arrived at Location:	Work Order Completed By:
Time Departed Location:	
Date Work Completed: 12-13-18	
Vehicle Milage:	

ate: 12-6-/8 Time:
Sustomer Name: Main Une 40%
Account Number: Location Number
Physical Address Route Number
Description of Work Needed
Meter Relocation Special Instructions: 5mall Leak before
Meter Box Replacement mouth OF knob Lick (Probably
Meter Lid Replacement Clamp Longking
Meter Reading Re-Check
Leak Repair
Customer Assistance
Other
Z - Clarps leaking Equipment Used  Work Completed BY
Unit 1 Unit 5 Case Backhoe 1
Parts Used
1 6" Short Hymax 2 Dints 6" PVC
Time Arrived at Location: 10200 Work Order Completed By:
Time Departed Location: 2:36
Vehicle Milage: 607
venicie iviliage

Date: 13-7-/8 Time:
Customer Name: main Line Hny 406 (DiP)
Account Number: Location Number
Physical Address Route Number
Description of Work Needed
Meter Relocation Special Instructions: Leak on home Meter Box Replacement
Meter Lid Replacement  Meter Reading Re-Check  Leak Repair  Customer Assistance  Other  Equipment Used  Work Completed BY
Unit 1 Unit 5 Case Backhoe 1 601 606 Unit 2 Unit 6 John Deere Backhoe 2 602 607 Unit 3 Unit 7 Air Compressor 603 608 Unit 4 Unit 8 Other 9604 6609 605 610
Parts Used  1 ce" Short Ifymax
Time Arrived at Location: Work Order Completed By:  Time Departed Location: 3:00  Date Work Completed: 12:11-18  Vehicle Milage:

count Number: Location I	Number
	oute Number
	before Jerry
Meter Box Replacement  Meter Lid Replacement	6PM
Meter Reading Re-Check  Leak Repair	
Customer Assistance	
_	
Other	
	Work Completed BY
Equipment Used Unit 1 Unit 5 Case Backhoe 1	601 606
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2	601 606 602 607
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor	601 606 602 607 603 608
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2	601 606 602 607 603 608 604 609
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor	601 606 602 607 603 608

Date: 12-10-18 Time:	
Customer Name: Eddie B pue	
Account Number: Location N	lumber
Physical Address Ro	ute Number
Description of Work Needed	
Meter Relocation Special Instructions:	LOAK on SUC NEAM
Meter Box Replacement Box	
Meter Lid Replacement	
Meter Reading Re-Check	
Leak Repair	
Customer Assistance	
Other	
Equipment Used	Work Completed BY
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 Unit 7 Unit 7 Unit 4 Unit 8 Case Backhoe 1 John Deere Backhoe 2 Air Compressor Other	601 606 602 607 603 608 604 609 605 610
Parts Used	
NA	ARR Sup-
Time Arrived at Location: 10 > 7 W  Time Departed Location: 11 1 0  Date Work Completed: 12 10 18  Vehicle Milage: 224047	Vork Order Completed By:

	ocation Number
nysical Address	Route Number
escription of Work Needed	
Meter Relocation Special Inst	tructions: ran 2 Jumpers
Meter Box Replacement	
Meter Lid Replacement	
Meter Reading Re-Check	
Leak Repair	
Customer Assistance	
Other	
Equipment Used	Work Completed BY
Unit 1 Unit 5 Case Backhoe 1	601 606
Unit 2 Unit 6 John Deere Bac	
Unit 3 Unit 7 Air Compressor	
Unit 4 Unit 8 Other	
	605 610
Parts Used	
2 1" Saddle 21" care	stops
In the second at the second	
2 1" Saddle 21" corr	VP STOPE

Work Order	
Date: 12-7-18 Time:	
Customer Name: DOC HACKOR	
Account Number: Location Number	
Physical Address Route Number	
Description of Work Needed	
Meter Relocation Special Instructions: Leak on Suc	
Meter Box Replacement  Meter Lid Replacement	
Meter Reading Re-Check	_
Leak Repair	_
Customer Assistance	
Other	_
Equipment Used Work Completed BY	
Unit 1	opm
Unit 4 Unit 8 Other 604 609 610	
Parts Used	
1 3/4" Coypling	
Time Arrived at Location: 1200 Work Order Completed By:	
Time Departed Location: 3 00  Date Work Completed: 12-10-18  607	
Vehicle Milage:	

Work Order	
Date: 12-7-18 Time:	_
Customer Name: Main line Jacks	creeh
Account Number: Location	n Number
Physical Address	Route Number
Description of Work Needed	
Meter Relocation Special Instruction	ns:
Meter Box Replacement	
Meter Lid Replacement	
Meter Reading Re-Check	
Leak Repair	
Customer Assistance	
Other	
Equipment Used	Work Completed BY
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2	601 606
Unit 3 Unit 7 Air Compressor	603 608
Unit 4 Unit 8 Other	. 604 609 605 610 C19552
Parts Used	605 610 14 1 Saddle 2"by!"
211 gate value 2 Flonge Packs	s and grip rings 21"Corp
411 sate value a Flange Packs	gand SPIP rings 100 SPM
Time Arrived at Location: 6:50	Work Order Completed By:
Time Departed Location: 4230	ROR
Date Work Completed:	101



		-		9	I was seen	
B.A.	A			rd		P
WW	U		U	IU		į,

Date: 11-28-18 Time: 1.49 Reading 5/28
Customer Name: Eldon Hoskins  Account Number: 735 Location Number 5331-000
Account Number: Location Number
Physical Address Route Number
Description of Work Needed  Meter Relocation  Special Instructions: Leak 9+ meter  Box our 5: de Gve  Meter Lid Replacement
Meter Reading Re-Check   Leak Repair   Leak Repair   Leak Repair   Customer Assistance   Other
Equipment Used Work Completed BY
Unit 1 Unit 5 Case Backhoe 1 601 606 Less Than 1 Unit 2 Unit 6 John Deere Backhoe 2 602 4607 Unit 3 Unit 7 Air Compressor 603 608 1 609 605 610
Parts Used
1 3/4" Coupling
Time Arrived at Location: 6:15 Work Order Completed By:  Time Departed Location: 10:30  Date Work Completed: 12-6-18  Vehicle Milage:

Date: <u>//- 99-18</u> Time:	_
Customer Name: Cop DUFF	
Account Number: Location I	Number 5188-000
Physical Address Stinnett Ro	oute Number
Description of Work Needed	
Meter Relocation Special Instructions	SMALL LEAK
Meter Box Replacement 00 Sep	-vice
Meter Lid Replacement	
Meter Reading Re-Check	
Leak Repair	
Customer Assistance	
Other	
Equipment Used	Work Completed BY
Unit 1 Unit 5 Case Backhoe 1	□601 □ 606 3 6 PM
Unit 2 Unit 6 John Deere Backhoe 2	602 4607
Unit 3 Unit 7 Air Compressor	603 608
Unit 4 Unit 8 Other	604 609
	605 610
Parts Used	
13/4" ( essi! ( lop	
Time Arrived at Location:	Work Order Completed By:
Time Departed Location: 30	
Date Work Completed: 12-6-18	607
Vehicle Milage:	

#### $\sqrt{\phantom{a}}$

Date: 1/-29-18 Time:
Customer Name: Main Line Down Cuton (Doug
Account Number: Location Number
Physical Address Route Number
Description of Work Needed
Meter Relocation Special Instructions: Leak on 4" (900
Meter Box Replacement NeAR His me Tor
Meter Lid Replacement
Meter Reading Re-Check56PM
Leak Repair
Customer Assistance Clamp leaking
Other
Equipment Used Work Completed BY
Unit 1 Unit 5 Case Backhoe 1 601 606 Unit 2 Unit 6 John Deere Backhoe 2 607 Unit 3 Unit 7 Air Compressor 603 608 Unit 4 Unit 8 Other 609 605 610
Parts Used Tightend Clare
Time Arrived at Location: 10 20 Work Order Completed By:
Time Departed Location: 11:15  Date Work Completed: 12-4-18
Vehicle Milage:

ccount Number:	Location Number
	Route Number
Pescription of Work Needed	
	ecial Instructions: Lak on Main in
Meter Box Replacement	Front of pool building. cla.
Meter Lid Replacement	
Meter Reading Re-Check	
Leak Repair	
Customer Assistance	
Other	
Equipment Used	Work Completed BY
Unit 3 Unit 7 Air Com	ackhoe 1
Parts Used	
2 6" HY Max	
Time Arrived at Location: 900 Time Departed Location: 700	Work Order Completed By:

ustomer Name: main line on	CUTShin_
ccount Number: Locat	ion Number
hysical Address	Route Number
escription of Work Needed	
Meter Relocation Special Instruct	tions:
Meter Box Replacement	
Meter Lid Replacement	60 gpm
Meter Reading Re-Check	
Leak Repair	
Customer Assistance	
Other	
Equipment Used	Work Completed BY
Unit 1 Unit 5 Case Backhoe 1	601 606
Unit 2 Unit 6 John Deere Backhoo	
Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	603 608
	605 610
Parts Used	
	tops FON CGOU 605PM
2 1 340818 3 21 2007 3	+015 FOV 6900 603PM

Date: 2-2-18 Time: 9:30
Customer Name: MainLine Cutshin Ronnie Gross
Account Number: Location Number
Physical Address Route Number
Description of Work Needed  Meter Relocation  Special Instructions: 400 or more  Meter Box Replacement  Special Instructions: 400 or more  15 FT Split
Meter Box Replacement GPM ISFT SPIT
Meter Lid Replacement
Meter Reading Re-Check
Leak Repair
Customer Assistance
Other
Equipment Used Work Completed BY
Unit 1 Unit 5 Case Backhoe 1 601 606 Unit 2 Unit 6 John Deere Backhoe 2 602 607 Unit 3 Unit 7 Air Compressor 603 608 Unit 4 Unit 8 Other 605 610
Parts Used
16" Hy Max 12Ft Of C900 Pipe
Time Arrived at Location: 9:30 Time Departed Location: 12:30 Date Work Completed: 12-2-18  Work Order Completed By:  CCP 5 B DN R R
Vehicle Milage:

#### **Work Order** Date: 11-29-18 Time: Customer Name: TI essica Couch Account Number: Location Number 8046-000 Physical Address 28209 HW/H2 | Route Number\_\_\_\_\_ Description of Work Needed Special Instructions: <u>Setter Hend Lenking</u> Meter Relocation Meter Box Replacement Meter Lid Replacement Meter Reading Re-Check 2 gpm Leak Repair **Customer Assistance** Other **Equipment Used** Work Completed BY Unit 1 Unit 5 Case Backhoe 1 601 606 Unit 2 Unit 6 John Deere Backhoe 2 602 607 603 608 Unit 3 Unit 7 Air Compressor Unit 4 604 Unit 8 Other 609 605 610 Parts Used 1 Straight setter Time Arrived at Location: 2-50 Work Order Completed By: Time Departed Location:

Date Work Completed: 1/430-18

Vehicle Milage:

#### **Work Order** Date: 11-38-18 Time: Customer Name: Main line Honey Suchle Account Number:\_\_\_\_\_ Location Number\_\_\_\_\_ Physical Address\_\_\_\_\_ Route Number\_\_\_\_ **Description of Work Needed** Meter Relocation Special Instructions: Meter Box Replacement Meter Lid Replacement Meter Reading Re-Check Leak Repair **Customer Assistance** Other **Equipment Used** Work Completed BY Unit 1 Unit 5 601 Case Backhoe 1 606 Unit 2 Unit 6 John Deere Backhoe 2 602 607 Unit 3 Unit 7 608 Air Compressor 603 Unit 4 Unit 8 Other 604 609 605 610 Parts Used 3" short Hymax 159Pm

Short III was sold

Time Arrived at Location: 2-55
Time Departed Location: 4-05

Date Work Completed: 11-28-18

Vehicle Milage:\_\_\_\_

Work Order Completed By:

Date: 11-27-18 Time:	:	
Customer Name: Mun 2		
	Location Number	
Physical Address	Route Number	
Description of Work Needed	<b>\</b>	
Meter Relocation Sp	Special Instructions: Leak on 3" mur	
Meter Box Replacement	Octross 157 Bridge AT ComeTARY	
Meter Lid Replacement		
Meter Reading Re-Check		
Leak Repair _		
Customer Assistance	Lak was on Romac cla	hmis
Other		
Equipment Used	Work Completed BY	
Unit 2 Unit 6 John D Unit 3 Unit 7 Air Cor	Backhoe 1	3
Parts Used		
1 3" 1 any Hyn	max-	
Time Arrived at Location: 1:00	Control of the Contro	
Time Departed Location: 3:00  Date Work Completed: 11-23-	607	
Vehicle Milage:	-16	

<b>Work Order</b>	
Date: 11-26-18 Time	:10:30
Customer Name: Poll 5	creek#2 PUMP
	Location Number
Physical Address	Route Number
Description of Work Needed  Meter Relocation  Meter Box Replacement  Meter Lid Replacement  Meter Reading Re-Check  Leak Repair  Customer Assistance  Other	Special Instructions: Sust before  Pump Binch Sust 2000  more gpm 1 Short Hymax
Unit 2 Unit 6 John	Work Completed BY  e Backhoe 1 601 606  n Deere Backhoe 2 602 607  Compressor 603 608  eer 604 609  605 610
Parts Used	
1 3" Hymap short 1 load of grovel	
Time Arrived at Location: 100 Date Work Completed: 11-2	The state of the s

Date: 11-21-18 Time: 11:00
Customer Name: Laterel Fork
Account Number: Location Number
Physical Address Route Number
Description of Work Needed  Meter Relocation Special Instructions:
Meter Box Replacement 510 wed out
Meter Reading Re-Check
Leak Repair  Customer Assistance
Other
Equipment Used Work Completed BY
Unit 1
Parts Used
21" PrV5
Time Arrived at Location: 1500 Time Departed Location: 3.45 Date Work Completed: 11-22-18 Vehicle Milage:

Date: 11-21-18 Time: 7:30
Customer Name: Likey L
Account Number:Location Number
Physical Address Route Number
Description of Work Needed
☐ Meter Relocation Special Instructions: 1"500 189K  ☐ Meter Box Replacement 25 to 30 Gp M
Meter Box Replacement 25 to 30 Gp m
Meter Lid Replacement
Meter Reading Re-Check
Leak Repair
Customer Assistance
Other
Equipment Used Work Completed BY
Unit 1 Unit 5 Case Backhoe 1 601 606 Unit 2 Unit 6 John Deere Backhoe 2 602 607 Unit 3 Unit 7 Air Compressor 603 608 Unit 4 Unit 8 Other 605 610
Parts Used
11 Coupling Brass 1 Toad of gravel 2FT SUC 111
Time Arrived at Location: 7:30 Time Departed Location: 10:45 Date Work Completed: 11-21-18  Work Order Completed By:
Vehicle Milage:

#### **Work Order** Date: 11-19-18 Customer Name: Army Trail Location Number Account Number: Physical Address Route Number Description of Work Needed Special Instructions: Replace Vaule BBX Then found leak Meter Relocation Meter Box Replacement Meter Lid Replacement Meter Reading Re-Check Leak Repair Customer Assistance Other Equipment Used Work Completed BY 601 Unit 1 Unit 5 606 Case Backhoe 1 Unit 6 Unit 2 John Deere Backhoe 2 607 602 Unit 3 Unit 7 603 608 Air Compressor 609 Unit 8 Other\_ 604 610 605 Parts Used

Work Order Completed By:

Time Arrived at Location: 12,00

Time Departed Location: Date Work Completed:

Vehicle Milage:

ustomer Name: Man	Line 2" Bowling Branch
ccount Number:	Location Number
hysical Address	Route Number
escription of Work Needed	
Meter Relocation	Special Instructions: Leak on 2" my
Meter Box Replacement	
Meter Lid Replacement	
Meter Reading Re-Check	
X Leak Repair	
Customer Assistance	
Other	
Equipment Used	Work Completed BY
	se Backhoe 1 601 606 15 606
Init 1   Wilnit 5   4 Cac	
	H H / / / Gr
Unit 2 Unit 6 Joh	H H / // 6/
Unit 2 Unit 6 Joh Unit 3 Unit 7 Air	nn Deere Backhoe 2 602 607
Unit 2 Unit 6 Joh Unit 3 Unit 7 Air	nn Deere Backhoe 2 602 607 Compressor 603 608
Unit 2 Unit 6 Joh Unit 3 Unit 7 Air	nn Deere Backhoe 2 602 607 Compressor 603 608 her 604 609
Unit 2 Unit 6 Joh Unit 3 Unit 7 Air Unit 4 Unit 8 Oth	nn Deere Backhoe 2 602 607 Compressor 603 608 her 604 609
Unit 2 Unit 6 Joh Unit 3 Unit 7 Air Unit 4 Unit 8 Oth	nn Deere Backhoe 2 602 607 Compressor 603 608 her 604 609

	Location Number
	Route Number
escription of Work Needed	
Meter Relocation Special In	nstructions: brank on Service
Meter Box Replacement	
Meter Lid Replacement	
Meter Reading Re-Check	
Leak Repair	
Customer Assistance	
Other	
Other	Work Completed BY
Other	
Other  Equipment Used  Unit 1 Unit 5 Case Backhood Unit 2 Unit 6 John Deere B	e 1 601 606 50 6Pag Backhoe 2 602 607
Other  Equipment Used  Unit 1 Unit 5 Case Backhood Unit 2 Unit 6 John Deere B Unit 3 Unit 7 Air Compress	e 1 601 606 50 6Pa, Backhoe 2 602 607 Sor 603 608
Other  quipment Used  Unit 1 Unit 5 Case Backhood Unit 2 Unit 6 John Deere B	e 1 601 606 50 6Pa, Backhoe 2 602 607 Sor 603 608
Other  Equipment Used  Unit 1 Unit 5 Case Backhood Unit 2 Unit 6 John Deere B Unit 3 Unit 7 Air Compress Unit 4 Unit 8 Other	e 1 601 606 50 6 Pay Backhoe 2 602 607 sor 603 608 604 609
Other  Equipment Used  Unit 1 Unit 5 Case Backhood Unit 2 Unit 6 John Deere B Unit 3 Unit 7 Air Compress	e 1 601 606 50 6 Pay Backhoe 2 602 607 sor 603 608 604 609

#### **Work Order** Date: 1/-19 - 18 Time: Customer Name: Honey Suckle (Main) Account Number:\_\_\_\_\_ Location Number\_\_\_\_\_ Physical Address\_\_\_\_\_\_ Route Number\_\_\_\_\_ Description of Work Needed Meter Relocation Special Instructions: Meter Box Replacement Meter Lid Replacement Meter Reading Re-Check Leak Repair **Customer Assistance** Other **Equipment Used** Work Completed BY 36pm Unit 5 Unit 1 Case Backhoe 1 601 606 Unit 2 Unit 6 John Deere Backhoe 2 602 607 Unit 3 Unit 7 Air Compressor 603 608 Unit 8 Unit 4 Other 604 609 605 610 Parts Used long 3" Hy max Time Arrived at Location: 2/0 Work Order Completed By: Time Departed Location: 4/5 607 Date Work Completed: 11-19-18

Vehicle Milage:

Work Order
Date: 11-17-18 Time:
Customer Name: Golry In Main line
Account Number: Location Number
Physical Address Route Number
Description of Work Needed  Meter Relocation Special Instructions: 5 or more GPM
Meter Box Replacement Put by e. Pass meter in
■ Meter Relocation       Special Instructions: 5 or more GPM         ■ Meter Box Replacement       Put bye Pass meter in         ■ Meter Lid Replacement       Could not find leak
Meter Reading Re-Check
Leak Repair
Customer Assistance
Other
Equipment Used Work Completed BY
Unit 1 Unit 5 Case Backhoe 1 601 606 Unit 2 Unit 6 John Deere Backhoe 2 602 607 Unit 3 Unit 7 Air Compressor 603 608 Unit 4 Unit 8 Other 605 610
Parts Used
2 Sy Curp I meter 2 Sy by 2" Saddel 11:d
Time Arrived at Location: 4:40  Time Departed Location: 6:30  Date Work Completed: 11-19-18  Vehicle Milage:

oung 1015 Wells  nber <u>C302-006, C3</u> 03-00  Number
( 1) )
Small Centron
Small LeAkon
106PM
ork Completed BY
601 606
602 607
603 608 604 609
605 610

Date: 11-/9-/8 Time:
Customer Name: CrACO AdAms
Account Number: Location Number 30/000
Physical Address Pecan Lane Route Number 9
Description of Work Needed
Meter Relocation Special Instructions: Legk on Sug
Meter Box Replacement may need pullers, LAST mero
Meter Lid Replacement in pocan land on Right
Meter Reading Re-Check Acloss From Flusher
Leak Repair
Customer Assistance 6to 7 GPM
Other
Equipment Used Work Completed BY
Unit 1 Unit 5 Case Backhoe 1 606
Unit 2 Unit 6 John Deere Backhoe 2 602 607
Unit 3
605 610
Parts Used
134 Brass Couplins
Time Arrived at Location: Work Order Completed By:
Time Departed Location: 12-14-18
Date Work Completed:
Vehicle Milage:

Customer Name / Location: <u>Empty Settlev</u> <u>O</u> Account Number:Location			
Physical Address			
Motor Pay Ponlacement	ns: 100K on S		_
			_
Customer Assistance			_
Equipment Used	Work Completed BY	Leak Repair Info	
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2	601 606 602 607	Failure Type	
Unit 3 Unit 7 Air Compressor	603 608 604 609	Duration	
TO OTHER TO OTHER	605 610	GPM 3	_ •
Unit 4 Unit 8 Other			

Date: 2-8-19 Time:			
Customer Name / Location: Ashws B	<i>c</i> .		
Account Number:Location	n Number		
Physical Address F	Route Number		
Description of Work Needed			
Meter Relocation Special Instruction	ns:		
Meter Box Replacement			
Meter Lid Replacement			
Meter Reading Re-Check			
Leak Repair			
Customer Assistance			
Other			
Equipment Used	Work Completed BY	Leak Repair Info	
Unit 1 Unit 5 Case Backhoe 1	601 606	Failure Type	0.1
Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor	602 4-607 603 608	Bell Pulled Duration	oat
Unit 4 Unit 8 Other	4 604 609		
	605 610	GPM/5	
Parts Used Pushed Bell trage!	L		
Time Arrived at Location:	Work Order Completed	by:	
Time Departed Location: 3:30  Date Work Completed: 2-8-/9	607		
Vehicle Mileage:			

te: 2-8-19 Time:	
stomer Name / Location: Ash Inc	
ccount Number:Locatio	n Number
hysical Address	Route Number
Description of Work Needed	
Meter Box Replacement	ns:
Leak Repair	
Customer Assistance	
Other	
Equipment Used	Work Completed BY Leak Repair Info
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	603 608 Duration
	605 610 GPM /S
Parts Used	
Time Arrived at Location: 3 50	Work Order Completed by:
Time Departed Location:	607
Date Work Completed: 2_ マー/ ๆ Vehicle Mileage:	

Meter Lid Replacement	herd on "
■ Meter Relocation       Special Instructions:	
Meter Lid Replacement	
Meter Reading Re-Check	
4 Leak Repair	
Other	
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	k Completed BY         Leak Repair Info           601         606         Failure Type           602         607         Repair Class Info           603         608         Duration           604         609         GPM         09
Parts Used Jightur Clange	

ustomer Name / Location: Hory Suc		
Physical Address	Route Number	
Description of Work Needed  Meter Relocation Special Instruction	ns:	
Meter Box Replacement		
Meter Lid Replacement		
Customer Assistance		
Equipment Used	Work Completed BY	Leak Repair Info
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	601 606 602 607 603 608 604 609 605 610	Failure Type  Bel/  Duration  GPM / O
		GFW
Parts Used  / 3" Short Hymax		
1 3" Short Hymax		
	Work Order Completed	

ustomer Name / Location: 3, 1/y don		
hysical Address		
Description of Work Needed		
	ns:	
7		
Meter Reading Re-Check		
Leak Repair		
Customer Assistance		
Other		
Other	Work Completed BY	Leak Repair Info
	Work Completed BY  601 606 602 607	Leak Repair Info
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor	601 606 602 607 603 608	Failure Type
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2	601 606 602 607 603 608 604 609	Failure Type C(ay/ Duration
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	601 606 602 607 603 608 604 609	Failure Type C(a \( \gamma \) P  Duration  GPM3
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	601 606 602 607 603 608 604 609 605 610	Failure Type C (a y / Duration  GPM _ 3
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	601 606 602 607 603 608 604 609 605 610	Failure Type Clay/ Duration GPM 3
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	601 606 602 607 603 608 604 609 605 610	Failure Type C(ay/ Duration  GPM 3

ustomer Name / Location: Wayne Pat		
hysical Address R		
Description of Work Needed	1042	(0)
Meter Relocation Special Instruction	s: Leak 2	GPM
Meter Box Replacement Tryhten (	Clamp up	
Meter Lid Replacement		
Meter Reading Re-Check		
Leak Repair		
Customer Assistance		
Other		
Other		
	Work Completed BY	Leak Repair Info
	Work Completed BY  601 606 602 607	Leak Repair Info Failure Type
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor	601 606 602 607 603 608	
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2	601 606 602 607	Failure Type
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor	601 606 602 607 603 608 604 609	Failure Type  Duration
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	601 606 602 607 603 608 604 609	Failure Type  Duration
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	601 606 602 607 603 608 604 609	Failure Type  Duration

/

Date: 2-2-19 Time: 12:40

ccount Number:Loc	cation Number
hysical Address	Route Number
Description of Work Needed	
Meter Relocation Special Instru	uctions:
Meter Box Replacement	
Meter Lid Replacement	
Meter Reading Re-Check	
Leak Repair	
Customer Assistance	
Other	
Equipment Used	Work Completed BY Leak Repair Info
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 1 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	603 608 Duration
Parts Used 2 6" Hy mq X	
Time Arrived at Location:/0:00	Work Order Completed by:
Time Departed Location: 2:30	4
Date Work Completed: $2-3-19$	Randy Roberts

## $\int$

Customer Name / Location: 6/295 / M	ain 2008	
Account Number:Location	Number	
Physical Address	Route Number	
Description of Work Needed		
Mater Bar Barlannant	ns:	
Meter Lid Replacement		
Customer Assistance Other  Equipment Used Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2	Work Completed BY  601 606 602 607	Leak Repair Info  Failure Type  Rock Fell ON Ma
Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	603 608 604 609 605 610	Duration  6 hr  GPM 20 GPM
Parts Used  1 Join + 4" Pre  1 Short 4" Hymnx		
CONTRACTOR	Work Order Completed	by:
Time Departed Location: 9:00 Am  Date Work Completed: 2-3-19	607	

Work Order
Date: 1-29-19 Time: 11:00
Customer Name / Location: Bufflo Montion
Account Number:Location Number
Physical Address Route Number
Description of Work Needed  Meter Relocation Special Instructions: Main Jeak  Meter Box Replacement
Meter Lid Replacement
Meter Reading Re-Check
Leak Repair
Customer Assistance Other
Equipment Used Work Completed BY Leak Repair Info
Unit 1
Parts Used 2 Short 6" Hymax 10 Ft Class
250

Time Arrived at Location: 12:10

Time Departed Location: 1:40

Date Work Completed: 1-2919

Vehicle Mileage:

Work Order Completed by:

CIR JB

Date: Time:		
Customer Name / Location: Muncy (Jeck	8" main	Bill Hortons
Account Number:Location	Number	
Physical Address F	Route Number	
Description of Work Needed		
Motor Boy Bonlacoment	ns:	
Meter Lid Replacement		
Meter Reading Re-Check		
Leak Repair		
Customer Assistance		
Other		
Equipment Used	Work Completed BY	Leak Repair Info
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	601 606 602 607 603 608 604 609 605 610	Failure Type  SPI:+  Duration  GPM 1000
Parts Used		
Time Arrived at Location: 11:00 pm	Work Order Completed	by:
Time Departed Location: 6:30 Am  Date Work Completed: 1 - 2-3 - 19  Vehicle Mileage:	Geo 7	

Customer Name / Location:MyJ	lick (main)
	Location Number
Physical Address	Route Number
Description of Work Needed	
	structions:
Leak Repair	
Customer Assistance	
Other	
Equipment Used	Work Completed BY Leak Repair Info
Unit 1 Unit 5 Case Backhoe Unit 2 Unit 6 John Deere Ba Unit 3 Unit 7 Air Compresso Unit 4 Unit 8 Other	or 602 C 607 <u>Bell Pulled Ar</u> 603 608 Duration
Parts Used 1 3' Short Hxwax	
1 Joint 3"	
Time Arrived at Location: 9:30	Work Order Completed by:
Time Departed Location: /2:00 Date Work Completed: 1-23-19	607
Vehicle Mileage:	

Customer Name:	Adams Main line
	Location Number
Physical Address	Route Number
Description of Work Needed	
Meter Relocation	Special Instructions: 15 to 20
Meter Box Replacement	
Meter Lid Replacement	
Meter Reading Re-Check	
Leak Repair	
Customer Assistance	
Other	
Equipment Used	Work Completed BY
Unit 1 Unit 5	Case Backhoe 1 601 606
Unit 2 Unit 6	John Deere Backhoe 2 602 607
Unit 3 Unit 7 Unit 8 Unit 8	Air Compressor         603         608           Other         604         609
	605 610
Parts Used	
1611 Capo 10	ing Clamp

Work Order	
Date: 1-22-19 Time: 3:00	
Customer Name / Location: Dog Wood Ln	Main
Account Number:Location	
Physical Address F	Route Number
Description of Work Needed  Meter Relocation Special Instruction  Meter Box Replacement	15 4020 Gem
Meter Lid Replacement	
Theat Benefit	
Customer Assistance Other	
Equipment Used	Work Completed BY Leak Repair Info
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2	601 606 Failure Type 602 607 bell
Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	603 608 Duration 1-22-19
	605 610 GPM 15+020
Parts Used 3" Short hymaso	
Time Arrived at Location: 3:00  Time Departed Location: 4:50  Date Work Completed: 1~22-19  Vehicle Mileage:	Work Order Completed by:

Date: 11-5-18 Time:
Customer Name: Butch Barger
Account Number: Location Number
Physical Address Short Croek Route Number
Description of Work Needed
Meter Relocation Special Instructions: Need To Extend
Meter Box Replacement Flushor So WATER Will Run
Meter Lid Replacement INTG DITCH
Meter Reading Re-Check
Leak Repair
Customer Assistance
Other
Equipment Used Work Completed BY
Unit 1       Unit 5       Case Backhoe 1       601       606         Unit 2       Unit 6       John Deere Backhoe 2       602       607         Unit 3       Unit 7       Air Compressor       603       608         Unit 4       Unit 8       Other
Parts Used
1 Puc Coupling 3FT SVC
Time Arrived at Location: 8:00 Work Order Completed By:
Time Departed Location: 7:20
Vehicle Milage:

Date: Time:	
Customer Name / Location: Preachers for	/K
Account Number:Locatio	on Number
Physical Address	Route Number
Description of Work Needed	
Meter Relocation Special Instruction	ons:
Meter Box Replacement	
Meter Lid Replacement	
Meter Reading Re-Check	
L teak Repair	
Customer Assistance	
Other	
Equipment Used	Work Completed BY Leak Repair Info
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	603 608 Duration
Parts Used  1 3" Saddle  1 34" Corp. Stop  2 34" Ts	
Time Arrived at Location: /o. 00	Work Order Completed by:
Time Departed Location: 4:30  Date Work Completed: 1-18-19	607
Vehicle Mileage:	

ccount Number:Location	n Number	
hysical Address	Route Number	
escription of Work Needed		
Meter Relocation Special Instruction	ns:	
Meter Box Replacement		
Meter Lid Replacement		
Meter Reading Re-Check		
Leak Repair		
Customer Assistance		
Other		
Other	Work Completed BY	Leak Repair Info
	Work Completed BY  601 606 602 607	Failure Type
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor	601 606 602 607 603 608	Failure Type
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2	601 606 602 607	Failure Type  Bell  Duration  GPM
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	601 606 602 607 603 608 604 609 605 610	Failure Type    Rell     Duration     GPM   S
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	601 606 602 607 603 608 604 609	Failure Type    Rell     Duration     GPM   S
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	601 606 602 607 603 608 604 609 605 610	Failure Type    Rell     Duration     GPM   S
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other  Parts Used 1 3 Short Hymax	601 606 602 607 603 608 604 609 605 610	Failure Type    Rell     Duration     GPM   S
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	601 606 602 607 603 608 604 609 605 610	Failure Type    Rell     Duration     GPM _ S

Date: 1-9-19 Time: 1-20	
Customer Name: Cutshin between	C389-000 - C392-000
Account Number: Location	Number
Physical Address F	
Description of Work Needed  Meter Relocation Special Instruction	s: Old Suc8+0 10 GPM
	- ON FOI
Meter Lid Replacement	
Meter Reading Re-Check	
Leak Repair	
Customer Assistance	
Other	hing for Years
Equipment Used	Work Completed BY
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	601 606 602 607 603 608 604 609 605 610
Parts Used	
Time Arrived at Location: 1 20 Time Departed Location: 3 10 Date Work Completed: 1-9-19 Vehicle Milage:	Work Order Completed By:  CCR JB RR EB

Date: Time:	
Customer Name / Location:Sultwell	
Account Number:Locatio	on Number
Physical Address	Route Number/S
Description of Work Needed	
Meter Relocation Special Instruction	ons: heak on mechanical
Meter Box Replacement 50int.	
Meter Lid Replacement	
Meter Reading Re-Check	
Leak Repair	
Customer Assistance	
Other	
Equipment Used	Work Completed BY Leak Repair Info
Unit 1 Unit 5 Case Backhoe 1	601 606 Failure Type
Unit 2 Unit 6 John Deere Backhoe 2	
Unit 3 Unit 7 Air Compressor	603 608 Duration
Unit 4 Unit 8 Other	
	605 610 GPM 605
Parts Used	
1 4" 22%	
	ncks
- 1 4 Hay	
Time Arrived at Location: 100 de	Work Order Completed by:
Time Arrived at Location:	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )
Date Work Completed: 1-9-19	607
Vehicle Mileage:	

Work Order	
Date: 1-4-119 Time: 2:30	
Customer Name / Location: EHwith Ln Main	
Account Number: Location Number	
Physical Address Route Number	
Description of Work Needed  Meter Relocation Special Instructions:	
Meter Box Replacement	
Meter Lid Replacement	
Meter Reading Re-Check	
Leak Repair	
Customer Assistance Other	
Equipment Used Work Completed BY Leak Repair Info	
Unit 1 Unit 5 Case Backhoe 1 601 606 Failure Type Unit 2 Unit 6 John Deere Backhoe 2 602 607 SPL-+ Unit 3 Unit 7 Air Compressor 603 608 Duration Unit 4 Unit 8 Other 605 610 GPM 3	
Parts Used  1 Short 3" Clamp  2 Buckets Gavel DGA	
Time Arrived at Location: 130 Work Order Completed by:  Time Departed Location: 130  Date Work Completed: 1-8-19  Vehicle Mileage:	

ustomer Name / Location: Moutain Sid	
Account Number:Locatio	
Physical Address	Route Number
Description of Work Needed	
Meter Relocation Special Instructio	ns:
Meter Box Replacement	
Meter Lid Replacement	
7	
Hook Beneir	
Equipment Used	Work Completed BY Leak Repair Info
Unit 1 Unit 5 Case Backhoe 1	601 606 Failure Type
Unit 2 Unit 6 John Deere Backhoe 2	
Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	603 608 Duration C 604 609 27 hr
Ollit 4 Gollit 8 Gollie	605 610 GPM <u>/</u> 0
Parts Used	
1 long 3" Hymy	
Time Arrived at Location:	Work Order Completed by:
Time Departed Leasting 540	
Time Departed Location: $340$ Date Work Completed: $1 - 8 - 19$	607

Date: 1-4-19 Time: 2:30Customer Name / Location: ASh Ln Main in Cruve Past Bill D. Account Number: \_\_\_\_\_ Location Number\_\_\_\_ Route Number Physical Address Description of Work Needed Meter Relocation Special Instructions: Meter Box Replacement Meter Lid Replacement Meter Reading Re-Check Leak Repair **Customer Assistance** Other Equipment Used Work Completed BY Leak Repair Info Case Backhoe 1 Unit 5 601 Unit 1 606 Failure Type 4607 SPlit Unit 2 Unit 6 John Deere Backhoe 2 602 Duration Unit 3 Unit 7 Air Compressor 603 608 long Tine Unit 4 Unit 8 609 Other 604 GPM 5 605 610 Parts Used Short 3" clamp (Ford) Time Arrived at Location: 12.30 Work Order Completed by: Time Departed Location: 2:30 Date Work Completed: 1-7-19 Vehicle Mileage: \_\_\_\_\_

Date: 1-4-19 Time: 2:30 Customer Name / Location: Cutshin Main Past Smilax Postoffice Account Number: \_\_\_\_\_\_Location Number\_\_\_\_\_ Physical Address\_\_\_\_\_ Route Number Description of Work Needed Meter Relocation Special Instructions: Meter Box Replacement Meter Lid Replacement Meter Reading Re-Check Leak Repair Customer Assistance Other Work Completed BY Leak Repair Info **Equipment Used** Unit 5 Case Backhoe 1 601 606 Failure Type Unit 1 Unit 2 Unit 6 John Deere Backhoe 2 602 607 Clamo Air Compressor 603 Duration Unit 3 Unit 7 608 609 604 5Days Unit 4 Unit 8 Other GPM 1008m 605 610 611 Parts Used tightered Clamp up Time Arrived at Location: \_\_// 5/6 Work Order Completed by: Time Departed Location: 12:30 611 Date Work Completed: 1-7-16 Vehicle Mileage: \_\_\_\_\_

Date: 1-4-0019 Time: 2:30 Customer Name / Location: Busy Hollow Main Account Number: Location Number\_\_\_\_\_ Physical Address Route Number Description of Work Needed Meter Relocation Special Instructions: Meter Box Replacement Meter Lid Replacement Meter Reading Re-Check Leak Repair Customer Assistance Other Work Completed BY Leak Repair Info **Equipment Used** Unit 5 Case Backhoe 1 606 Failure Type Unit 1 601 Clays Unit 2 Unit 6 John Deere Backhoe 2 602 607 Unit 7 603 608 Duration Unit 3 Air Compressor Unit 4 Unit 8 Other 604 609 GPM 5 610 605 Parts Used Short 4" HXmax Work Order Completed by: Time Departed Location: 1/200 607 Date Work Completed: 1-7-19 Vehicle Mileage:

Work Order	
Date: 1-3-19 Time: 2:55	
Customer Name / Location: Hurts Cre	ek Shannon Crisp
Account Number:Location	Number
Physical Address F	Route Number
Description of Work Needed	
Meter Relocation  Meter Box Replacement  Meter Lid Replacement  Meter Reading Re-Check  Leak Repair	s: be on martha srnett meter
Customer Assistance Other	
Equipment Used	Work Completed BY Leak Repair Info
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	601 606 Failure Type 602 607 SPLT SEVUICE 603 608 Duration 604 609 GPM S GPM S
Parts Used  1 3/4 brass courling	<b>17611</b>
Time Arrived at Location: 1=45  Time Departed Location: 5=00  Date Work Completed: 1-7-19  Vehicle Mileage: 166275	Work Order Completed by:

Customer Name / Location: MAIN Gr	
Account Number:Location	
Physical Address R	Route Number
Mater Rey Penlesement	s: Lughon di man
Meter Lid Replacement	
Meter Reading Re-Check	
Other	
Equipment Used	Work Completed BY Leak Repair Info
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	601
Parts Used  2 2" Short Hymax	COSP

Date: 1-5 - 19	Time: 3:40		
Customer Name / Location:	Mount:ans	ide Ln	main line
Account Number:			
Physical Address	F	Route Number/	'6
Description of Work Needed  Meter Relocation  Meter Box Replacement  Meter Lid Replacement  Meter Reading Re-Check  Leak Repair  Customer Assistance	Special Instruction		
Other  Equipment Used  Unit 1 Unit 5 Unit 6 Unit 3 Unit 7 Unit 8	Case Backhoe 1 John Deere Backhoe 2 Air Compressor Other	602 6 603 6 604 6	Leak Repair Info  Clamp leaking to  Failure Type  Pulledout of bell  Duration  GPM 100
Parts Used 2 long 3" Hy 25 Ft yell	ymax ow mite		
Time Arrived at Location: Time Departed Location: Date Work Completed: Vehicle Mileage:	5-19	Work Order Comp	oleted by:

1 Pak

#### **Work Order**

Date: 12-28-18 Customer Name: Muncy Auto in ditch Account Number:\_\_\_\_\_ Location Number\_\_\_\_ \_\_\_\_\_ Route Number\_\_\_/6 Physical Address Description of Work Needed Special Instructions: 10 or more 519m Meter Relocation Meter Box Replacement Meter Lid Replacement Meter Reading Re-Check Leak Repair Customer Assistance Other **Equipment Used** Work Completed BY Case Backhoe 1 601 606 John Deere Backhoe 2 602 607 Air Compressor 603 608 609 Other 604 610 605 Parts Used 2 3M Brass coupling 30F+ SUC 1500 1 PUC34 Coupling Time Arrived at Location: 9.30 Work Order Completed By: CCR RR JB EB Time Departed Location: Date Work Completed: Vehicle Milage:

Customer Name / Location: Take	ns Branch (Rockhouse)
	Location Number
Physical Address	Route Number
Description of Work Needed	
Meter Relocation Special	Instructions:
Meter Box Replacement	
Meter Lid Replacement	
Meter Reading Re-Check	
Leak Repair	
Customer Assistance	
Other	
Equipment Used	Work Completed BY Leak Repair Info
Unit 1 Unit 5 Case Backho	e 1 601 606 Failure Type
Unit 2 Unit 6 John Deere 8	
Unit 3 Unit 7 Air Compres	H H
Unit 4 Unit 8 Other	604 609 GPM /U
Parts Used	
No parts Moned + Tigyte	nd Couplains
Time Arrived at Location:	
Date Work Completed: 1-2-18	( ) 7
Vehicle Mileage:	

	Saw branch main line  Location Number
	Route Number
Description of Work Needed  Meter Relocation  Meter Box Replacement  Meter Lid Replacement  Meter Reading Re-Check  Leak Repair  Customer Assistance	Special Instructions: 1eak on mg.n 1.he bell Pulled out
Unit 2 Unit 6 Unit 7	Work Completed BY Leak Repair Info  Case Backhoe 1  John Deere Backhoe 2  Air Compressor  Other  Gos  Gos  Gos  Gos  Gos  Gos  Gos  Go

Work Order
Date: 1-1-19 Time: 1:20
Customer Name: Main line in Osbore Fork
Account Number: Location Number
Physical Address Route Number
Meter Relocation  Meter Box Replacement  Meter Lid Replacement  Meter Reading Re-Check  Leak Repair  Customer Assistance  Other  Equipment Used  Special Instructions:  Above brian  Motor Special Instructions:  Above brian  Motor Special Instructions:  Motor Reading Re-Check  Work Completed BY
Unit 1 Unit 5 Case Backhoe 1 601 606 Unit 2 Unit 6 John Deere Backhoe 2 602 607 Unit 3 Unit 7 Air Compressor 603 608 Unit 4 Unit 8 Other 605 610
Parts Used  3 50 ints yellow mite 4/1  24" Hymaks
Time Arrived at Location: 1:20 Work Order Completed By:  Time Departed Location: 7:20 Date Work Completed: 1-1-19 Vehicle Milage:

Work Order
Date: 12-28-18 Time: 10:00
Customer Name: Sixon Branch
Account Number: Location Number
Physical Address Route Number
Description of Work Needed  Meter Relocation Special Instructions: Leak On Main
Meter Box Replacement    Meter Lid Replacement
Meter Reading Re-Check  Leak Repair
Customer Assistance
Other
Equipment Used Work Completed BY
Unit 1       Unit 5       Case Backhoe 1       601       606         Unit 2       Unit 6       John Deere Backhoe 2       602       607         Unit 3       Unit 7       Air Compressor       603       608         Unit 4       Unit 8       Other       604       609         605       610
Parts Used
2 211 Hymax Shori 4FTSUC 134 Corp 1264 34 Saddle
Time Arrived at Location: Work Order Completed By:  Date Work Completed: 12 · 28 - 18  Vehicle Milage:

Date: 12-27-18 SUC line Customer Name: Location Number Account Number: Route Number\_\_\_\_ Physical Address Description of Work Needed Special Instructions: 10 to 156 pm Meter Relocation Meter Box Replacement 4: ghter Clamp MP Meter Lid Replacement Meter Reading Re-Check Leak Repair **Customer Assistance** Other **Equipment Used** Work Completed BY Unit 1 Unit 5 Case Backhoe 1 601 606 Unit 2 Unit 6 John Deere Backhoe 2 602 607 Unit 3 Unit 7 Air Compressor 603 608 Unit 4 Unit 8 Other 604 605 Parts Used Time Arrived at Location: DO Work Order Completed By: CCRTBRRMS Time Departed Location: 200 Date Work Completed: \_\_\_ Vehicle Milage:

Date: 12 - 28 - 18 Time:	
Customer Name: Grassy (main)	
Account Number: Location	Number
Physical Address Ro	oute Number
Description of Work Needed	
Meter Relocation Special Instructions	s:
Meter Box Replacement	
Meter Lid Replacement	
Meter Reading Re-Check	
Leak Repair	
Customer Assistance	
Other	
Equipment Used	Work Completed BY
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	601 606 602 607 50 GPM 603 608 604 609 605 610
Parts Used	
1 3" clamp	
Time Arrived at Location: 5:00	Work Order Completed By:
Time Departed Location: 7:00  Date Work Completed:	607
Vehicle Milage:	

Date: 12-27-18 Time:
Customer Name: Kelly Rice  Account Number: 1605 Location Number W 213-580
Physical Address Route Number Route Number
Description of Work Needed
Meter Relocation  Special Instructions: SVC Pylled Umost  Meter Box Replacement  Meter Lid Replacement  Meter Reading Re-Check  Leak Repair  Customer Assistance
Equipment Used Work Completed BY
Unit 1 Unit 5 Case Backhoe 1 601 606 7 707A ( Unit 2 Unit 6 Unit 7 Air Compressor 603 608 609 605 605 610
Parts Used 1 3/4 Brass Conf
Time Arrived at Location: 3.06 Pr Time Departed Location: 3.52 Pr Date Work Completed: 12-27/15  Vehicle Milage: 3.7462/

Work Completed BY Saction lenk
36pm

606

601

602

#### **Work Order** Date: 12-26-18 Time: Customer Name: Honey Suckle (2 leaks) Account Number:\_\_\_\_\_Location Number\_\_\_\_\_ Physical Address\_\_\_\_\_ Route Number\_\_\_\_\_ Description of Work Needed Special Instructions: Lak on Suction f Meter Relocation Meter Box Replacement Meter Lid Replacement Meter Reading Re-Check Leak Repair **Customer Assistance** Other

Unit 3 Unit 7 Unit 8	Air Compressor Other	603 60	
Parts Used		605 63	10
2 1+y max	1 Short 1	109	

Time Arrived at Location: 900 Work Order Completed By: Time Departed Location: 1200 607 Date Work Completed: 12-26-17

John Deere Backhoe 2

Vehicle Milage:

Unit 5 | Case Backhoe 1

**Equipment Used** 

count Number:	Location Number
	Route Number
Meter Relocation	Special Instructions: 150 GPM
Meter Box Replacement  Meter Lid Replacement	
Unit 2 Unit 6 Unit 7	Work Completed BY  Case Backhoe 1 601 606  John Deere Backhoe 2 602 607  Air Compressor 603 608  Other 604 609  605 610
2 Short Hymo	ax 6" 14 Ft C 900 6"

ustomer Name: Camp Creek Ma	
ccount Number: Location	
hysical Address Ro	oute Number
Description of Work Needed	
Meter Relocation Special Instructions	: her on Main
Meter Box Replacement	
Meter Lid Replacement	
Meter Reading Re-Check	
Leak Repair	
Customer Assistance	
Other	
Equipment Used	Work Completed BY
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	601 606 602 4607 2603 608 4604 609 605 610
Parts Used	
1 6" long Hymax	
Time Arrived at Location:3 /5	Work Order Completed By:
Time Departed Location: \$ 30	607

Date: 12-20-18 Time:	_
Customer Name: Moutain Side Rd.	Main
Account Number: Location N	Number
Physical Address Ro	oute Number
Description of Work Needed	
Meter Relocation Special Instructions	: lenkon main past
Meter Box Replacement  Al (oll eff	
Meter Lid Replacement	
Meter Reading Re-Check	
Leak Repair	
Customer Assistance	
Other	
Equipment Used	Work Completed BY
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	601 606 602 607 603 608 604 609 605 610
Parts Used	
1 Short 3" Pipe 1 Short 3" Hymax	6 Ton Gravel
1 Short 3" Hymax	
	Work Order Completed By:
Time Departed Location: 3:00  Date Work Completed: 12 20 18  Vehicle Milage:	607

	he camp creek
ccount Number:	Location Number
hysical Address	Route Number
escription of Work Needed	
Meter Relocation	Special Instructions:
Meter Box Replacement	Road Stipping
Meter Lid Replacement	. )
Meter Reading Re-Check	
Leak Repair	
Customer Assistance	
Other	
	W. J. C J. D.V.
Equipment Used	Work Completed BY
H - H - H	se Backhoe 1 601 606 hn Deere Backhoe 2 602 607
HHH	hn Deere Backhoe 2   602   607 r Compressor   603   608
	ther 604 609
	605 610
Parts Used	
" Short Hymax	CACCHA
, show property	30 70 101

	County Detertion (TR
Account Number:	Location Number
Physical Address	Route Number
Description of Work Needed	
Meter Relocation	Special Instructions: Need To TAP
Meter Box Replacement	Line FOG GARAGE & TARE
Meter Lid Replacement	Them Used Box + Lid For VAIV
Meter Reading Re-Check	
Leak Repair	
Customer Assistance	
Other	
Equipment Used	Work Completed BY
Unit 27 Unit 6 Joh Unit 3 Unit 7 Air	se Backhoe 1
Parts Used	
1 3/4 corps	106 SANDER 11 USED 136X
Time Arrived at Location: 3.7.  Time Departed Location: 3.7.  Date Work Completed: 1.3.	368

Work Order	
Date: 12-17-18 Time: 1-05	
Customer Name: B5 DDDD 1/0 U	Number 9
Account Number: Location	Number
Physical Address R	oute Number
Description of Work Needed  Meter Relocation Special Instructions	s: 10 GPM
Meter Box Replacement  Meter Lid Replacement	500
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	Work Completed BY  601 606 602 607 603 608 604 609 605 610
Parts Used	
2 3/4 Coupling Brass 4FT SUC 3/4	
Time Arrived at Location: 1:05  Time Departed Location: 3:00  Date Work Completed: 12-18-18  Vehicle Milage:	Work Order Completed By:

#### **Work Order** Date: 3-29-19 Time: Customer Name / Location: Man line wooton Account Number: \_\_\_\_\_Location Number\_\_\_\_\_ Physical Address Route Number Description of Work Needed Meter Relocation Special Instructions: Meter Box Replacement Meter Lid Replacement Meter Reading Re-Check Leak Repair **Customer Assistance** Other Work Completed BY Leak Repair Info Equipment Used 606 Unit 1 Unit 5 Case Backhoe 1 601 Failure Type Unit 6 Clamp Unit 29 John Deere Backhoe 2 602 607 Unit 7 Duration Unit 3 Air Compressor 603 608 18 days Unit 8 Unit 4 Other 604 609 605 610 Parts Used " short Hymax " value 2 " c900 grip rings Time Arrived at Location: 2 2 3 0 Work Order Completed by: Time Departed Location: 7230 Date Work Completed: Vehicle Mileage: 169 853

#### QUESTION 12\_ATTACHMENT PAGE 118 of 153

Work Order
Date: 3-22-14 Time: 6',00  60 or more GI  Split in line
Split in line
Customer Name: Main Line 406
Account Number: Location Number
Physical Address Route Number
Description of Work Needed
Meter Relocation Special Instructions: Tust Past Wayne
Meter Box Replacement Baker
Meter Lid Replacement
Meter Reading Re-Check
Leak Repair
Customer Assistance
Other
Equipment Used Work Completed BY
Unit 1 Unit 5 Case Backhoe 1 606
Unit 2
Unit 4 Unit 8 Other 609
605 610
2 Short Hymax 611
2 -110/1 () 4/1/01/ 6/
Time Arrived at Leasting 6:00 PM
Time Arrived at Location: Work Order Completed By:  Time Departed Location: 2:15 AM  Date Work Completed: 3-23-19  CCR-JB-DN-LJ-MS
Date Work Completed: 3-23-19
Vehicle Milage:

account Number.	Location Number
hysical Address	Route Number
escription of Work Needed  Meter Relocation	Special Instructions: Suc line leak  across from were wayne And  lived Shovel Job
Meter Box Replacement	across from were wayne An
Meter Lid Replacement	lived Shovel Job
Meter Reading Re-Check	
Leak Repair	
Customer Assistance	
Other	
Equipment Used	Work Completed BY Leak Repair Info
Unit 1 Unit 5 Cas	work Completed BY Leak Repair Info  se Backhoe 1 606 Failure Type nn Deere Backhoe 2 602 607
Unit 1 Unit 5 Cas Unit 2 Unit 6 Joh Unit 3 Unit 7 Air	se Backhoe 1 601 606 Failure Type nn Deere Backhoe 2 602 607 Compressor 603 608 Duration
Unit 1 Unit 5 Cas Unit 2 Unit 6 Joh Unit 3 Unit 7 Air	se Backhoe 1 601 606 Failure Type nn Deere Backhoe 2 602 607 Compressor 603 608 Duration
Unit 2 Unit 6 Joh Unit 3 Unit 7 Air	se Backhoe 1       601       606       Failure Type         nn Deere Backhoe 2       602       607
Unit 1 Unit 5 Case Unit 2 Unit 6 Joh Unit 3 Unit 7 Air Unit 4 Unit 8 Otl	se Backhoe 1

Date: 3-8-19 Time: 11:34 Customer Name / Location: Shannon Crisp Account Number: \_\_\_\_\_Location Number W059 -000 Route Number 5 Physical Address Description of Work Needed Special Instructions: Leak on Suc Meter Relocation Meter Box Replacement Meter Lid Replacement Meter Reading Re-Check Leak Repair Customer Assistance Other Work Completed BY Leak Repair Info **Equipment Used** Unit 1 Unit 5 £ase Backhoe 1 601 606 Failure Type 1-2-19 Unit 2 Unit 6 607 John Deere Backhoe 2 602 603 Suc and coupling Unit 3 Wnit 7 608 Air Compressor 609 604 Unit 4 Unit 8 Other 605 Parts Used 3 3/4 Brass Couplines IDFT SUC Time Arrived at Location: 9:45Work Order Completed by: Time Departed Location: 15:45

Date Work Completed: 3-20-19 CCR RR DN JB Vehicle Mileage: \_\_ 1 57479

Customer Name / Location: Wayne Wayne Collett
Account Number: Location Number W048-000
Account Number:Location Number W048 - 000  Physical Address Route Number
Description of Work Needed
Meter Relocation Special Instructions: Legk on main or
Meter Box Replacement SUC
Meter Lid Replacement
Meter Reading Re-Check
Leak Repair
Customer Assistance
Other
Equipment Used Work Completed BY Leak Repair Info
Unit 1 Unit 5 Case Backhoe 1 601 606 Failure Type
Unit 2 Unit 6 John Deere Backhoe 2 602 607 50C Unit 3 Unit 7 Air Compressor 603 608 Duration
Unit 4 Unit 8 Other 604 609 3-18-19
605 610 GPM 5 to 8
Parts Used 2 3/4 Brass 1 Puc 3/4 Couplings
Time Arrived at Location: 12:55 Work Order Completed by:
Time Arrived at Location: 12:55 Work Order Completed by:  Time Departed Location: 1:50  Date Work Completed: 3-20-19 CCR 5B DN RK

Date: 3-20-19 Time: 3:00	
Customer Name / Location: Hurfs creek	Pump Je BLV
Account Number:Location N	
Physical Address Ro	ute Number
	Leak on main
Meter Box Replacement  Meter Lid Replacement	
Méter Reading Re-Check  Leak Repair  Customer Assistance  Other	
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	Completed BY   Leak Repair Info
Parts Used 1 6" long Clamp Ac	
Time Departed Leasting 5' 5/)	ork Order Completed by:

Account Number:Location Number Physical Address	
Description of Work Needed  Meter Relocation Special Instructions:  Meter Box Replacement  Meter Lid Replacement	_
Meter Relocation Special Instructions:  Meter Box Replacement  Meter Lid Replacement	_
Meter Box Replacement  Meter Lid Replacement	_
Meter Lid Replacement	_
Meter Reading Re-Check	
Leak Repair	
Customer Assistance	
Other	
Equipment Used Work Completed BY Leak Repair In:	<u>·o</u>
Unit 1         Unit 5         Case Backhoe 1         601         606         Failure Type           Unit 2         Unit 6         John Deere Backhoe 2         602         607         Sevolice           Unit 3         Unit 7         Air Compressor         603         608         Duration           Unit 4         Unit 8         Other         604         609         3 dq           605         610         GPM /S	SPIT
Parts Used  1 3/4 brass coupling 1 3/4 white coupling	

	Location Number
hysical Address	Route Number
Description of Work Needed	
Meter Relocation	Special Instructions: Main Line
Meter Box Replacement	
Meter Lid Replacement	
Meter Reading Re-Check	
Leak Repair	
Customer Assistance	
Other	
Equipment Used	Work Completed BY Leak Repair Info
	se Backhoe 1 601 606 Failure Type
	hn Deere Backhoe 2 602 607 2 Clamps
Unit 2 Unit 6 Joh Unit 3 Unit 7 Air	hn Deere Backhoe 2 602 607 Clamps r Compressor 603 608 Duration
Unit 2 Unit 6 Joh Unit 3 Unit 7 Air	hn Deere Backhoe 2 602 607 2 Clamps
Unit 2 Unit 6 Joh Unit 3 Unit 7 Air	hn Deere Backhoe 2 602 607 2 Clamps r Compressor 603 608 Duration ther 604 609 2045 605 610 GPM 10
Unit 2 Unit 6 Joh Unit 3 Unit 7 Air Unit 4 Unit 8 Otl	hn Deere Backhoe 2 602 607 2 Clamps r Compressor 603 608 Duration ther 604 609 2045 605 610 GPM 10

Date: 3-13-19 Time: 3:30	_
Customer Name / Location: down river	before Ricky Muncy
Account Number:Location Nu	umber
Physical Address Rou	te Number
Description of Work Needed	Main line 4" max 6 Foot 411 pvc
Other	/ork Completed BY Leak Repair Info
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	601 606 Failure Type 602 607 2 Clamps 603 608 Duration 604 609 3-13-19 605 610 GPM 60 or more
Parts Used 24" Short Hymax 6 Fo	oct 4/puc
	2:30 - 5:40
Time Arrived at Location: 3:30 Work Time Departed Location: 5:00  Date Work Completed: 3-13-19  Vehicle Mileage:	ork Order Completed by:

Vehicle Mileage: \_\_\_\_\_

Date: 3-12-19 Time: Customer Name / Location: OSBOVNE FORK Account Number: \_\_\_\_\_Location Number\_\_\_\_\_ Physical Address Route Number Route Number Description of Work Needed Meter Relocation Special Instructions: Meter Box Replacement Meter Lid Replacement Meter Reading Re-Check Leak Repair Customer Assistance Other **Equipment Used Work Completed BY** Leak Repair Info Unit 5 601 Unit 1 Case Backhoe 1 606 Failure Type Pulled out Hymax Unit 2 Unit 6 John Deere Backhoe 2 602 607 Duration Unit 3 Unit 7 Air Compressor 603 608 7 hours Other\_\_\_\_ Unit 4 Unit 8 604 609 GPM\_ 3.5 605 610 Parts Used Y" hymay 1200 - 1410 Time Arrived at Location: \_\_\_\_\_/ 200 Work Order Completed by: Time Departed Location: 3:10 Date Work Completed: 3-12-19

Work Order  Date: 3-12-19 Time:	
Customer Name / Location: ROCK hill blane	e in Bowling Branch mail I.h
Account Number:Location	n Number
Physical Address l	Route Number
Description of Work Needed	
	ns:
Meter Lid Replacement	
Meter Reading Re-Check	
Leak Repair	
Customer Assistance	
Other	
Equipment Used	Work Completed BY Leak Repair Info
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	601
Parts Used	
	0830 - 1230
Time Arrived at Location:	Work Order Completed by:

count Number:Location	98 9
	on Number
nysical Address	Route Number
escription of Work Needed	
Meter Relocation Special Instruction	ons:
Meter Box Replacement	
Meter Lid Replacement	
Meter Reading Re-Check	
Leak Repair	
Customer Assistance	
Other	
quipment Used	Work Completed BY Leak Repair Info
Unit 1 Unit 5 Case Backhoe 1	601 606 Failure Type
Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor	2 602 607 <i>ClamP</i> 603 608 Duration
Unit 4 Unit 8 Other	604 609 <u>2 days</u>
129	605 610 GPM 25
arts Used	13611
6 jong Clary	
arts Used 6" long ClamP	<u> </u>

ccount Number:Location	ts Number		
Physical Address R			
Meter Relocation  Meter Box Replacement	s:_Leg	Kon	Suc
Meter Lid Replacement			
Meter Reading Re-Check  Leak Repair  Customer Assistance  Other			
Equipment Used	Work Comp	leted BY	Leak Repair Info
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2	601 602	606 607	Failure Type
Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	603 604 605	608 609 610	Duration 3-28-19 GPM 1
Parts Used 1 34 Brass coupling			

Localit Hamber:	tion Number
nysical Address	Route Number
escription of Work Needed	
Meter Relocation Special Instruct	tions: Legk On
Meter Box Replacement Fire	ine
Meter Lid Replacement	
Meter Reading Re-Check	
Leak Repair	
Customer Assistance	
Other	
quipment Used	Work Completed BY Leak Repair Inf
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe	601 606 Failure Type 62 602 607 Ckypp P
Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	603 608 Duration 604
ome ome	605 610 GPM
arts Used 1 long 311 Hy	max

### **Work Order** Date: 3-7-19 Time: Customer Name / Location: Main line bis Branch Account Number: \_\_\_\_\_ Location Number\_\_\_\_\_ Physical Address Route Number Description of Work Needed Special Instructions: Mud Slide broke Meter Relocation our PiPe Meter Box Replacement Meter Lid Replacement Meter Reading Re-Check Leak Repair Customer Assistance Other Work Completed BY **Equipment Used** Leak Repair Info Unit 5 Unit 1 Case Backhoe 1 601 606 Failure Type Pipe crack Unit 2 Unit 6 John Deere Backhoe 2 602 607 Unit 7 Duration Unit 3 Air Compressor 603 608 1 hour Unit 4 Unit 8 Other\_\_\_\_ 604 609 GPM 80 605 610 Parts Used short Nymay / soint of PiPe 0200pm 0850pm Time Arrived at Location: $\frac{\iota/\dot{\cdot}/\partial}{}$ Work Order Completed by: Time Departed Location: 7 - 50 ROR

Date Work Completed: 3-7-19

Vehicle Mileage:

Customer Name / Location: Main Lie	,
Account Number:Location	on Number
Physical Address	Route Number
Description of Work Needed	
Meter Relocation Special Instruction	ons: Leak on 6" cooline
Meter Box Replacement	
Meter Lid Replacement	
Meter Reading Re-Check	
Leak Repair	
Customer Assistance	
Other	
Equipment Used	Work Completed BY Leak Repair Info
Unit 1 Unit 5 Case Backhoe 1	601 606 Failure Type
Unit 24 Unit 6 John Deere Backhoe 2	
Unit 3 Unit 7 Air Compressor	603 608 Duration 609
Unit 4 Unit 8 Other	604 609 1 hv 605 610 GPM 35
Parts Used	
1 6×15 CQ00 C/AMP	
Time Arrived at Location: 4'00 Pr	Work Order Completed by:
Time Arrived at Location: 400 pr	> 1
Date Work Completed: 3 -6 -19	EB
Vehicle Mileage:	

Work Order
Date: $2-27-19$ Time: $9:05$
Customer Name: Saw branch
Account Number: Location Number
Physical Address Route Number
Description of Work Needed  Meter Relocation Special Instructions: Main line at end
Meter Box Replacement of line
Meter Lid Replacement 25 to 30 GPM
Meter Reading Re-Check
Leak Repair
Customer Assistance
Other
Equipment Used / Work Completed BY
Unit 1 Unit 5 Case Backhoe 1 601 606 Unit 2 Unit 6 John Deere Backhoe 2 602 607 Unit 3 Unit 7 Air Compressor 603 608 Unit 4 Unit 8 Other 604 609 605 610
Parts Used
13" 10 ng Hy max
Time Arrived at Location: 10:10  Time Departed Location: 11: 20  Date Work Completed: 3-4-19  CCR  Only 10:10 Arrived at Location: 10:10  CCR  Only 10:10
Vehicle Milage:

### **Work Order** Date: 3-4-19 Time:\_\_\_\_ Customer Name / Location: Main line bowling Bronch Account Number: \_\_\_\_\_ Location Number\_\_\_\_\_ Physical Address\_\_\_\_\_ Route Number\_\_\_\_\_ Description of Work Needed Special Instructions: | Pak in SliP Meter Relocation Meter Box Replacement Meter Lid Replacement Meter Reading Re-Check Leak Repair Customer Assistance Other **Equipment Used** Work Completed BY Leak Repair Info Unit 5 606 Unit 1 Case Backhoe 1 601 Failure Type Bell Unit 2 Unit 6 John Deere Backhoe 2 602 607 Unit 3 Duration Unit 7 Air Compressor 603 608 8 days 604 609 Unit 4 Other Unit 8 GPM 7-10 610 605 Parts Used 2" long hymax 550 - 810 Time Arrived at Location: 6-20 Work Order Completed by: Time Departed Location: 7:33 3-4-19 Date Work Completed:

Vehicle Mileage:

	(E/E)
Customer Name: Nina	Taylor (Flusher)
Account Number:	Location Number
Physical Address	Route Number
Description of Work Needed	
Meter Relocation	Special Instructions: Leak og Flusher
Meter Box Replacement	Just Defue Vina Taylors
Meter Lid Replacement	House (Munix (1000) past
Meter Reading Re-Check	Randy Roberts.
Leak Repair	
Customer Assistance	turned flusher off @ gale velve
Other	
Equipment Used	Work Completed BY
Unit 1 Unit 5 Case Unit 2 Unit 6 John Unit 3 Unit 7 Air C	Backhoe 1 601 606 Deere Backhoe 2 602 607 Compressor 603 608 er 604 609 605 610
Parts Used	
Time Arrived at Location: Time Departed Location: Date Work Completed: Vehicle Milage:	

Customer Name / Location: Main Line.  Account Number:Location	
Physical Address	Route Number
Description of Work Needed	
Meter Relocation Special Instruction	ons: Leak on main
Meter Box Replacement	
Meter Lid Replacement	
Meter Reading Re-Check	
Leak Repair	
Customer Assistance	
Other	
Equipment Used	Work Completed BY Leak Repair Info
Unit 1 Unit 5 Case Backhoe 1	601 606 Failure Type
Unit 2 Unit 6 John Deere Backhoe 2	1 114
Unit 3 Unit 7 Air Compressor	603 G08 Duration
Unit 4 Unit 8 Other	604 609 <u>Imourth</u>
	605 610 GPM /O
Parts Used i	311 class 200
Short Clamp	(1955 200
Parts Used   Short Clamp	(1495 200
Short Clamp	(1455 200
Short Clamp	C 1455 200
Time Arrived at Location: 1:05	Work Order Completed by:
1:05	

Customer Name / Location: Comp Great	+ Billy Collers
Account Number:Location	Number
Physical Address F	Route Number
Description of Work Needed	
Meter Relocation Special Instruction	s: 2" line split @ Boll
Meter Box Replacement	
Meter Lid Replacement	
Meter Reading Re-Check	
Leak Repair	
Customer Assistance	
Other	W. J. Completed BV Leek Densie lee
Equipment Used	Work Completed BY Leak Repair In
Unit 1 Unit 5 Case Backhoe 1	601 606 Failure Typ
Unit 2 Unit 6 John Deere Backhoe 2	602 607 <i>Split</i>
Unit 3 Unit 7 Air Compressor	608 Duration
Unit 4 Unit 8 Other	604 609 3 hours
	605 610 GPM 40
Parts Used	
I long hymry + go	reals
7,000	
	Work Order Completed by:
Time Departed Location: 1205 pm	,
Date Work Completed:	[]
Vehicle Mileage:	

Date: 2-25-19 Time:		$\vee$
Customer Name / Location: Camp Cleek		
Account Number:Location	Number	
Physical Address F	Route Number	
Meter Box Replacement	s:	
Meter Reading Re-Check  Leak Repair		
Equipment Used	Work Completed BY	Leak Repair Info
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	601 606 602 607 603 608 604 609 605 610	Failure Type  SI.P Palled Avant  Duration  3 days  GPM 25
Parts Used 1 long 4' Hymax		
	1000 - 230	
Time Arrived at Location: 11.00 Time Departed Location: 1.30 Date Work Completed: 2-25-19	Work Order Completed	by:

Date: Time:
Customer Name / Location: Essive MTW
Account Number:Location Number
Physical Address Route Number
Description of Work Needed
Meter Relocation Special Instructions: Pool 5/ide
Meter Box Replacement Service Luc (sect
Meter Lid Replacement
Meter Reading Re-Check
Leak Repair
Customer Assistance
Other
Equipment Used Both Durp Truck  Work Completed BY  Leak Repair Info
Unit 1       Unit 5       Case Backhoe 1       601       606       Failure Type         Unit 2       Unit 6       John Deere Backhoe 2       602       607       3000         Unit 3       Unit 7       Air Compressor       603       608       Duration         Unit 4       Unit 8       Other       604       609       10 hems         GPM       50
Parts Used  Pulled 30' of 1" Some + 2 34" long  Grevel - 2 loads
6430- 1230am
Time Arrived at Location:0536 pm Work Order Completed by:
Time Departed Location: 1230 cm 2-25-19  Date Work Completed:
Vehicle Mileage:

Account Number:Location I	Number
Physical Address Ro	oute Number
Meter Box Replacement  Meter Lid Replacement  Meter Reading Re-Check  Leak Repair	
Equipment Used  Unit 1	Work Completed BY         Leak Repair Info           601         606         Failure Type           602         607         Palled out of r           603         608         Duration           604         609         30         Parts           605         610         GPM 10
Parts Used 12" long HY max	

Date: <u>2-24-19</u> Time:	
Customer Name / Location:	Pasa Fee - Pound mill Hill
Account Number:Location	Number
Physical Address F	Route Number
Description of Work Needed	
Meter Relocation Special Instruction	becase of runoff
Meter Box Replacement in ditch	becase of runoff
Meter Lid Replacement	
Meter Reading Re-Check	
Leak Repair	
Customer Assistance	
Other	
Equipment Used	Work Completed BY Leak Repair Info
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	601
Parts Used PJ 34"	
	Work Order Completed by:
Time Departed Location: 330 pm  Date Work Completed: 2-24-15	LJT
Vehicle Mileage:	

Date: Time:	
Customer Name / Location: Main Li	ne USh laner
Account Number:Location	n Number
Physical Address	Route Number
Description of Work Needed	
Meter Relocation Special Instruction	15: LEAK ON 2"
Meter Box Replacement	ROAL Droppod
Meter Lid Replacement	•
Meter Reading Re-Check	
Leak Repair	
Customer Assistance	
Other	
Equipment Used	Work Completed BY Leak Repair Info
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	601 606 Failure Type 602 607 1201 BY 612 C 2603 608 Duration 604 609 4 head 605 610 GPM 50
Parts Used  1.21 Short Hymax  150 FT 211 CL 256	Pipe
	445 - 10TOpm
Date Work Completed: 2319	Work Order Completed by:
Vehicle Mileage:	

Account Number:Locatio	on Number
Physical Address	Route Number
Description of Work Needed	
	ons:
Meter Box Replacement	
Meter Lid Replacement	
Meter Reading Re-Check	
Leak Repair	
Customer Assistance	
Other	
Equipment Used	Work Completed BY Leak Repair Info
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	601 606 Failure Type 602 607 9: Pullara 603 608 Duration 604 609 8 hc 605 610 GPM 30
Parts Used	
Parts Used  2 Short 3" Hymax  5 Joints Yellow Mine	
	اله م مرصوب Work Order Completed by:

### QUESTION 12\_ATTACHMENT PAGE 144 of 153

Account Number:Loc	main line Stidtom Reconstruction Number
Physical Address	
Description of Work Needed	
Meter Relocation Special Instru	uctions: Main line
Meter Box Replacement	
Meter Lid Replacement	
Meter Reading Re-Check	
Leak Repair	
Customer Assistance	
Other	
Equipment Used	Work Completed BY Leak Repair Info
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 1 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	601 606 Failure Type 602 607 Ac blow out 608 Duration 604 609 1-2119 605 610 GPM 300
Parts Used 2 4" Hymax	1 long 1 short
Time Arrived at Location: 8:15 pm	Work Order Completed by:
Time Departed Location: 1:00 Am	2100
Date Work Completed:	CCR JB ON RR

### **Work Order** Date: 2-21-19 Time:\_\_\_\_\_ Customer Name / Location: Sams Branch (middle fK.) Account Number: \_\_\_\_\_ Location Number\_ Physical Address Route Number\_\_\_\_\_ Description of Work Needed Meter Relocation Special Instructions: Meter Box Replacement Meter Lid Replacement Meter Reading Re-Check Leak Repair **Customer Assistance** Other **Equipment Used** Work Completed BY Leak Repair Info Unit 5 Case Backhoe 1 Unit 1 601 606 Failure Type County Grader Unit 2 Unit 6 John Deere Backhoe 2 607 602 Unit 3 Unit 7 Air Compressor 603 608 Duration hr Unit 8 Unit 4 604 609 GPM 100 605 610 Parts Used Time Arrived at Location: 100 Work Order Completed by: Time Departed Location: 3/5 607 Date Work Completed: 2-21-19

Vehicle Mileage:

Date: 2-21-19 Time: 11:59	<i></i>
Customer Name / Location: Main Li	ne Saylor
Account Number:Locati	on Number
Physical Address	Route Number
	ons: 18ak on main
Π	
Leak Repair	
Customer Assistance Other	Road Slide
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	603 Duration
4 varie lids 3 4FT PU	c pipe
	1000 - 830pm
Time Arrived at Location: 11.54  Time Departed Location: 6.29  Date Work Completed: 2.21-19  Vehicle Mileage:	Work Order Completed by:  CCR JSB

ustomer Name / Location: ZilphiA	Asher
Account Number:Locatio	n Number
Physical Address	Route Number
Description of Work Needed  Meter Relocation Special Instruction	ns: Meter Keeps need to replace
Meter Lid Replacement  Sette	
Meter Reading Re-Check  Leak Repair  Customer Assistance  Other	
Equipment Used	Work Completed BY Leak Repair Inf
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor	601 606 Failure Typ 602 607 603 608 Duration
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2	601 606 Failure Typ
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	601 606 Failure Typ 602 607 603 608 Duration 604 609
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	601 606 Failure Typ 602 607 603 608 Duration 604 609 605 610 GPM

Customer Name / Location: Osbonia for Account Number:Locatio			
Physical Address			
Description of Work Needed			
	ns:		-3
D Martin Lid Books			
Natur Booking Bo Charle			
Leak Repair			-
Customer Assistance Other			
Equipment Used	Work Completed BY	Leak Repair Info	-
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	601 606 602 607 603 608 604 609 605 610	Failure Type Palled out Duration Sho GPM 53	Hyun,
Parts Used 1 long 4" (fy max)			
	1000	130	
Time Arrived at Location:	Work Order Completed I	oy:	
Time Departed Location: 1-00	607		

Date: <u>2-18-19</u> Time:	
Customer Name / Location: Bowling bi	
Account Number:Location	Number
Physical Address F	Route Number
Description of Work Needed	
	ns:
Meter Lid Replacement	
Leak Repair	
Other	
Equipment Used	Work Completed BY Leak Repair Info
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	601 606 Failure Type 602 607 Pulled out Hyma 603 608 Duration 604 609 605 610 GPM 25
	130 400 pm
Time Arrived at Location:	Work Order Completed by:
Date Work Completed: <u> </u>	(00)

ation Number
Route Number
ctions:
Work Completed BY Leak Repair Info
601 606 Failure Type oe 2 602 607 Split
603 608 Duration
604 609 605 610 GPM / 90

Vehicle Mileage: \_\_

/

Customer Name / Location:		
Physical Address		
	Noute Number	
Description of Work Needed  Meter Relocation Special Instruction	ns:	
Meter Box Replacement		
Meter Lid Replacement		
Customer Assistance		
Other		
Equipment Used	Work Completed BY	Leak Repair Info
Unit 1 Unit 5 Case Backhoe 1 Unit 2 Unit 6 John Deere Backhoe 2 Unit 3 Unit 7 Air Compressor Unit 4 Unit 8 Other	601 606 602 607 603 608 604 609 605 610	Failure Type  Blow out main A  Duration  40 min  GPM 600
Parts Used		

### QUESTION 12\_ATTACHMENT PAGE 152 of 153

### Customer Service Detail

Hyden-Leslie County Water Customer says PRV needs replaced

Account No	o. <u>17</u>	87		D	ate 0	2 /12/2019	)		
Shell, Ricky		Meter Information							
PO BOX 308				Service Address Stinnett 421					
				Route	15	Sequence	135800	Serial #	97728968*
HOSKINSTO	V	KY							
40844	0-0								
			Me	eter Nota	tions				S225-50
0.	1	21	211	,			- A Section 1		Reading
ChA	reol	3/4	PIL						1/29/19
									1219900
									Size
Old Meter Rea	ding			Old	Meter	# _			
New Meter Rea	ading			Nev	w Meter	·#			
Rate # Rat	te Code Name						1	Next Due Da	te Taxable
1 R	esidential							3/1/2019	NO
Assigned To:	0.5 4.						Date Co	ompleted:	9-15-1
	,,		Service Control of the Control of th						
		Market Wallendam							

count number:Location	n Number
hysical Address	Route Number
escription of Work Needed	
Meter Relocation Special Instruction	ns: Turn off COID
Meter Box Replacement across	ns: Tuen of COID
Meter Lid Replacement	
Meter Reading Re-Check	
Leak Repair	
Customer Assistance	
Other	
Equipment Used	Work Completed BY Leak Repair In
Unit 1 Unit 5 Case Backhoe 1	601 606 Failure Typ
Unit 2 Unit 6 John Deere Backhoe 2	
Unit 3 Unit 7 Air Compressor	603 G08 Duration
Unit 4 Unit 8 Other	604 609 GPM
	605 610 GPM

### HYDEN-LESLIE COUNTY WATER DISTRICT

### Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 13

Responding Witness: L.J. Turner

- Q-13. Does the utility have a policy or operating procedure in place that addresses the process and the length of time it should take for the utility to fix a known or reported leaking water line? If yes, provide a copy of the policy or operating procedure.
- A-13. Hyden-Leslie County Water District does not have a written policy or procedure on this subject. Its practice is to repair leaks as soon as resources permit. While repair of water leaks is considered a priority, Hyden-Leslie County Water District's limited number of employees requires that leak repair be given a lower priority than such tasks as meter reading, customer disconnections, and new service installations.

### HYDEN-LESLIE COUNTY WATER DISTRICT

### Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 14

Responding Witness: L.J. Turner

- Q-14. Provide a general asset ledger listing identifying all new equipment purchased by the utility from January 1, 2018, to the date of the issuance of this Order used in water loss reduction efforts (e.g., listening devices, flow meters, metal detectors, hand tools, etc.).
- A-14. No equipment has been purchased since January 1, 2018. Hyden-Leslie County Water District owns a digital leak detector that is in good working condition.

### HYDEN-LESLIE COUNTY WATER DISTRICT

### Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 15

Responding Witness: L.J. Turner

- Q-15. Provide the type of training and the total amount of time the utility's personnel have received for leak detection and repairs since January 1, 2015, to the date of the issuance of this Order. List the personnel and dates of training.
- A-15. Hyden-Leslie County Water District employees have not received leak detection training in the period since January 1, 2015.

### Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 16

- Q-16. Does the utility have a policy to identify errors that result in missed customer billings or under billings of customer accounts? If so, provide a copy of the policy.
- A-16. Hyden-Leslie County Water District does not have a written policy regarding missed customer billings or under billings. Its existing billing system will detect errors and irregular usage as meter readings are entered. When an error or irregular usage is identified, a work order is issued to investigate the occurrence.

### Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 17

Responding Witness: L.J. Turner

- Q-17. If the utility produces and treats water for its distribution system, provide the date that the utility's water treatment plant meter was last tested and state how frequently the utility's water treatment plant meter is tested. Provide a copy of the most recent meter test results.
- A-17. The raw water meter inside Hyden-Leslie County Water District's water treatment plant is tested annually and was last tested in February 2018. Hyden-Leslie County Water District has requested a copy of the test results from the testing entity and will supplement its response upon receipt of these results.

The finished water is measured by a magnetic flow meter. Because of designed flaws in the water treatment plant, this meter cannot be properly calibrated and testing entities have declined to verify the accuracy of the meter. As a result, Hyden-Leslie County Water District does not use the meter's reading to determine water treatment plant production.

# Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 18

- Q-18. Provide the dates on which the utility's master meters were last tested and the results of the tests.
- A-18. Not applicable. Hyden-Leslie County Water District has no master meters.

### Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 19

Responding Witness: L.J. Turner

- Q-19. Provide the utility's procedure and schedule for testing its master meters and customer meters.
- A-19. Hyden-Leslie County Water District has no written procedures regarding the testing of its customer meters. It uses the 807 KAR 5:066 to govern the frequency of the testing of its meters. As of date, Hyden-Leslie County Water District is not total compliance with the testing requirements of 807 KAR 5:066, but expects to be in full compliance with those requirements no later than June 30, 2019.

Hyden-Leslie County Water District does not have any master meters.

### Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 20

- Q-20. State the number of meters that have been replaced by the utility from January 1, 2018, to the date of the issuance of this Order.
- A-20. Between January 1, 2018 and March 12, 2019, Hyden-Leslie County Water District replaced 21 meters.

# Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 21

- Q-21. Provide the type of metering equipment, including brands and model numbers, the utility uses.
- A-21. Hyden-Leslie County Water District uses the following types of metering equipment:

Manufacturer	Model No.
Badger	25
Hersey	420
Kent	5700
Krohne	2000-IFC100
Rockwell	W14
Sensus	11

# Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 22

- Q-22. State whether the utility utilizes supervisory control and data acquisition (SCADA) technology within its system.
- A-22. Hyden-Leslie County Water District uses SCADA technology within its system.

# Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 23

- Q-23. State whether the utility utilizes telemetry within its system.
- A-23. Hyden-Leslie County Water District uses telemetry within its system.

# Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 24

- Q-24. State whether all meters within the utility's distribution area are read monthly. If all meters are not read monthly state the reasons why not.
- A-24. Hyden-Leslie County Water District reads all meters within its distribution system monthly.

# Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 25

- Q-25. What training is provided to the utility's meter readers?
- A-25. Hyden-Leslie County Water District meter readers receive basic training on reading meters when first assigned meter reading duties.

### Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 26

- Q-26. Does the utility utilize master meter zones in leak detection? If yes, for each of the utility's master meter zones, provide a monthly comparison of the master meter readings to the total customer meter readings for that zone for December 2018 and January 2019.
- A-26. Hyden-Leslie County Water District does not currently use master meter zones in leak detection. It plans to implement the use of zones when resources permit.

# Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 27

- Q-27. State whether the utility uses a system-wide hydraulic model to evaluate the pressure zones and flow in the utility's distribution system.
- A-27. Hyden-Leslie County Water District does not currently have a hydraulic model of its system, but intends to have such model developed when funding permits.

### Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 28

- Q-28. Does the utility manager regularly report the water loss reduction efforts to the water utility's board of commissioners? Provide copies of any written reports, memorandums, letters, emails, or minutes from January 1, 2018, to the date of the issuance of this Order that details the efforts of the utility manager in reducing water loss as reported to the water utility's board of commissioners.
- A-28. Yes. Hyden-Leslie County Water District's manager regularly reports on water loss reduction efforts to Hyden-Leslie County Water District's Board of Commissioners at its monthly meeting. Attached to this Response are documents that are periodically provided to Board. A copy of the monthly water loss report is also provided to each commissioner. (See Response to Question 1.) Hyden-Leslie County Water District's Board of Commissioners has not previously reflected the discussion of water loss reduction efforts in its minutes, but will begin doing so.

# QUESTION 28\_ATTACHMENT PAGE 1 of 3

2019	2018	2017	2016	2015	2014	2013	2012	2011	
35%	33%	37%	41%	38%	41%	44%	33%	29%	January
23%	41%	38%	27%	42%	33%	35%	37%	27%	February
	43%	42%	37%	25%	43%	44%	45%	34%	March
	30%	33%	37%	31%	31%	31%	34%	31%	April
	29%	24%	35%	33%	35%	35%	34%	26%	May
	23%	35%	24%	28%	27%	29%	35%	24%	June
	25%	29%	33%	34%	34%	33%	22%	35%	July
	39%	30%	38%	36%	40%	36%	39%	30%	August
	25%	38%	39%	36%	40%	34%	25%	39%	September
	36%	35%	33%	39%	48%	38%	42%	34%	October
	31%	37%	33%	32%	44%	36%	38%	38%	November
	37%	51%	42%	40%	42%	36%	43%	37%	December
29%	33%	36%	35%	35%	38%	36%	36%	32%	Annual Average

# Hyden Leslie County Water District Water Loss History

QUEST	ION_28_	ATTA	CHMENT
27	Stome	PAG	E 2 of 3

	MH
Water	DE
	Z
Distric	ES
H	LI

						QUE	22110	P7	5_/	411/
Residential Commercial	Line Breaks Repaired Average Water Usage	Water Used&Line Breaks Revised Unaccounted for Water Loss % after	Backwash Other Water Used Water Unaccounted For Water Loss %	Residential Commercial Total Cost Per 1k Gallons Soid \$	Total Cost Per 1k Gallons \$	Raw Total Raw Runtime Hours	Residential Commercial Total	Operating Expenses \$ stomer Count	pare calculated	PAG
3,725 8,823			6,405,465 12,515,535 36.7%	12,757,900 2,391,100 15,149,000 8.66 \$	34,070,000	34,070,000 547	3425 271 3696	\$ 131,144.05 \$	12/4/201/	November
2,703 6,914			6,727,700 18,424,500 50.8%	9,227,800 1,860,000 11,087,800 12.30 \$	36,240,000 3.76 \$	36,240,000 614	3414 269 3683	136,400.07 \$	1/2/2018	December
5,084 10,757	22		7,253,700 13,620,200 33.2%	17,285,600 2,893,500 20,179,100 7.21 \$	41,053,000 3.54 \$	41,053,000 648	3400 269 3669		2/2/2018	January
3,260 8,310	15		6,756,970 13,680,230 40.5%	11,097,500 2,235,300 13,332,800 10.68 \$	33,770,000 4.22 \$	33,770,000 506	3404 269 3673	145,510.13 \$ 142,433.13 \$	3/2/2018	February
3,190 9,348	20		6,269,030 14,774,970 42.9%	10,842,000 2,524,000 13,366,000 14.01 \$	34,410,000 5.44 \$	34,410,000 550	3399 270 3669	187,195.95 \$ 125,480.91 \$ 150,443.90 \$ 116,451.77	4/2/2018	March
3,647 10,056	11		5,520,320 8,732,980 29.7%	12,411,500 2,725,200 15,136,700 8.29 \$	29,390,000 4.27 \$	29,390,000 457	3403 271 3674	125,480.91 \$	5/2/2018	Usag <sub>April</sub>
3,910 10,727	18% 23	8,756,034 5,522,266	5,519,970 8,758,330 28.7%	13,325,700 2,907,000 16,232,700 9.27 \$	30,511,000 4.93 \$	30,511,000 485	3408 271 3679	150,443.90 \$	6/4/2018	Usage Analysis
4,092 13,448	12% 26	9,275,090 3,736,110	5,846,570 7,164,630 23.4%	14,010,900 3,657,900 17,668,800 6.59 \$	30,680,000	30,680,000	3424 272 3696		7/2/2018	S June
4,228 12,208	16% 28	8,682,720 4,964,680	5,647,110 8,000,290 25.4%	14,492,800 3,320,600 17,813,400 7.19 \$	31,460,800 4.07 \$	31,460,800 487	3428 272 3700	128,036.28 \$	8/2/2018	Vinf
3,386 11,236	28% 17	9,403,040 9,287,960	5,775,000 12,916,000 38.7%	11,624,000 3,045,000 14,669,000 10.69 \$	33,360,000 4.70 \$	33,360,000 517	3433 271 3704	156,745.42 \$	00	August
3,776 11,614	14% 17	8,394,690 4,097,310	5,373,210 7,118,790 24.9%	12,980,600 3,147,400 16,128,000 8.28 \$	28,620,000 4.66 \$	28,620,000 462	3438 271 3709	\$ 128,036.28 \$ 156,745.42 \$ 133,503.75 \$ 133,503.75 \$ 120,879.67		September
3,225 10,402	29% 12	7,762,310 8,932,690	5,373,210 11,321,790 37.0%	11,096,000 2,819,000 13,915,000 9.59 \$	30,610,000 4.36 \$	30,610,000 480	3441 271 3712	133,503.75 \$	11/2/2018	October
3,923 11,569	24% 21	8,381,060 7,752,640	6,053,880 10,079,820 30.8%	13,502,600 3,123,700 16,626,300 7.27 \$	32,760,000 3.69 \$	32,760,000 515	3442 270 3712	120,879.67	12/3/2018	November
3,632 7,979	27% 28	10,564,620 9,169,680	6,972,300 12,762,000 37.2%	12,501,300 2,114,400 14,615,700 9.22 \$	34,350,000 3.92 \$	34,350,000 559	3442 265 3707	134788.91 \$	1/2/2018	
3,736 10,361	21% 20	8,902,446 6,682,917	6,233,087 12,163,708 35%	12,786,561 2,820,594 15,607,156 9.03	34,003,950 4.08	34,003,950 541	3,423 272 3,695	31 137,679.28	Average	

# QUESTION 28\_ATTACHMENT PAGE 3 of 3

Ī						F			ř	Ţ							C	<b>)U</b>	ES	ST	10	N	2	8	A	П
Commercial	Residential	Average Water Usage	Line Breaks Repaired	deducting line breaks	Water Loss % after	Revised Unaccounted for	Water Used&Line Breaks	Water Loss %	Water Unaccounted For	Flushing	Other Water Used	Backwash	Cost Per 1k Gallon Sold		Commercial	Residential	Cost Per 1k Gallons		Raw Runtime Hours	Raw Total	Total	Commercial	Residential	Operating Expense Customer Count	Date Calculated	P
11,569	3,923		21	24%		7.752.640	8,381,060	30.8%	10,079,820		6,053,880		\$ 7.27 \$	16,626,300	3,123,700	13,502,600	\$ 3.69	32,760,000	515	32,760,000	3712	270	3442	\$ 120,879.67	12/3/2018	November
7,979	3,632	}	28	27%	,	9 169 680	10,564,620	37.2%	12,762,000		6,972,300		\$ 9.22 \$	14,615,700	2,114,400	12,501,300	\$ 3.92 \$	34,350,000	559	34,350,000	3707	265	3442	\$134,788.91 \$	1/2/2019	December
8,514	3,417	1	21	25%	alecoloco.	8 099 500	9,702,620	34.5%	11,044,620	202,480	6,757,500		10.50 \$	13,985,400	2,281,700	11,703,700	4.59	31,990,000	519	31,990,000	3693	268	3425	146,827.78	2/4/2019	January
9,374	3,659		26	13%	2,20,000	3 734 870	9095180	23.3%	6,540,710	270,250	6,289,340		\$ 8.91 \$	14,999,700	2,502,900	12,496,800	\$ 4.75 \$	28,100,000	448	28,100,000	3682	267	3415	\$ 133,615.41 \$	3/5/2019	February
9,001	2,747		16	23%	0,100,000	6 758 500	10,274,580	38.7%	11,216,680	151,120	5,816,400		11.35	11,775,800	2,403,200	9,372,600	4.61	28,960,000	446	28,960,000	3679	267	3412		4/2/2019	March
																										Ap

	A
Water	DE
	I
Distric	ES
+	

				45	w			45
3,649	22% 22	9,603,612 207,950 7,103,038	6,510,061 207,950 10,687,411 33%	2,714,722 15,223,489 8.94	32,490,278 4.14 12,508,767	34,105,144 545	3,428 272 3,700	133,937.39
			3,814,583 10,441,203	26,724,692 36,650,279	50,905,833	48,895,500		

### Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 29

- Q-29. For the period from January 1, 2015, to the date of the issuance of this Order, discuss whether the water utility's board of commissioners has placed any deadlines or target dates on the utility for achieving a reduction in the amount of water loss.
- A-29. Hyden-Leslie County Water District's Board of Commissioners has established a goal of reducing water loss to 20 percent by December 31, 2020.

### Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 30

- Q-30. Provide a list of the utility management's five most critical projects, listed in order of priority, notwithstanding the opinions of the county judge/executive nor the opinions of the water district board of commissioners.
- A-30. The most critical projects, in order of priority, are:
  - A. Installation of Master Meters in each zone;
  - B. Replacement of original asbestos concrete water main replacement;
  - C. Repair of leaking water tanks;
  - D. Resolving water treatment plant issues related to debris during high turbidity events,
  - E. Replacement of water mains that have reoccurring failures, and,
  - F. Purchase and installation of radio read meter system and upgrade of billing system.

# Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 31

- Q-31. Provide the total salary of the general manager/superintendent of the water utility for calendar years 2017 and 2018.
- A-31. The current annual salary of Hyden-Leslie County Water District's manager is \$62,000.

# Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 32

- Q-32. Provide a copy of the most recent signed employment contract between the general manager/superintendent and the utility.
- A-32. No employment contract exists.

# Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 33

- Q-33. State the average age, with the high and low ages, of the utility's distribution mains.
- A-33. The average age of Hyden-Leslie County Water District's water distribution mains is 29 years. The oldest mains were constructed in 1967 (52 years) and the most recent mains were constructed in 2010 (9 years).

### Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 34

- Q-34. "Service connection," as defined by 807 KAR 5:066(6), means the line from the main to the customer's point of service, and shall include the pipefittings and valves necessary to make the connection. State the average age of the utility's service connections.
- A-34. The average age of Hyden-Leslie County Water District's service lines is 29 years.

### Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 35

- Q-35. Has the utility mapped the entire distribution area for service connections to include mapping of its system, and identifying parts of its system with repeated breaks?
- A-35. Hyden-Leslie County Water District has not mapped its service connections. It does not have a mapping system, but has identified the areas of its distribution system that have recurring failures.

### Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 36

- Q-36. Provide a copy of the utility's policy for dealing with apparent theft of water.
- A-36. Hyden-Leslie County Water District does not currently have a written policy regarding theft of water service. Its practice is to remove the mechanism used for theft (e.g., straight pipe, meter). If a customer is a repeat offender, the customer's service is completely removed.

### Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 37

- Q-37. Provide documentation of any request by the utility from January 1, 2017, to the date of the issuance of this Order to the county attorney or commonwealth attorney's office for the prosecution of any person for the theft of water.
  - a. State whether the utility provided information related to the request for prosecution to the county attorney or commonwealth attorney's office for this time frame.
  - b. If the response to Item 37a. above is confirmed, state to which office the utility provided the information, whether any action was taken on behalf of the utility to prosecute any person for theft of water, and provide copies of the documentation and correspondence related to the prosecution.
- A-37. a. No requests were made during this time period.
  - b. Not applicable.

### Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 38

- Q-38. Provide the utility's policy for determining whether a leak adjustment to a customer's account is warranted and identify the person(s) that approve leak adjustments.
- A-38. Hyden-Leslie County Water District's tariff does not provide for leak adjustments.

# Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 39

- Q-39. State whether the utility's tariff permits the utility to adjust late charges when making a leak adjustment.
- A-39. Not applicable. See Response to Question 38.

### Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 40

- Q-40. Provide a copy of the utility's most recent Leak Adjustment Worksheet that was used by the utility and explain what software is being used by the utility to generate the Leak Adjustment Worksheet. If the utility is using Microsoft Excel to generate the Leak Adjustment Worksheet, then provide a copy of the most recent Leak Adjustment Worksheet used by the utility in electronic format with all rows unprotected and all formulas intact.
- A-40. Not applicable. See Response to Question 38.

## Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 41

- Q-41. State whether the utility has conducted a comprehensive water audit, and if so, provide a copy of the most recent water audit.
- A-41. Hyden-Leslie County Water District has not conducted a comprehensive water audit.

### Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Ouestion No. 42

- Q-42. Provide a copy of the utility's procedure for monitoring and documenting withdrawals from the utility's distribution system by fire departments. If no document exists, explain the process in detail.
  - a. For each fire department that made a withdrawal from the utility's system from January 1, 2018, to the date of the issuance of this Order, provide a copy of the fire department's estimate of its withdrawal.
  - b. For any instance in which a fire department failed to provide an estimate of withdrawal from January 1, 2018, to the date of the issuance of this Order, state the actions the utility implemented to correct the failure.
  - c. Provide the date on which the utility last imposed a penalty on a fire department for the fire department's failure to submit a quarterly report on its water usage.
  - d. Provide a sample copy of each type of report form that the utility provides to fire departments.
  - e. Provide the fourth quarter of the 2018 fire protection water usage, by month, and describe the formula relied upon, identifying all variables, and all assumptions and workpapers utilized to produce this information.
- A-42. The procedure for monitoring and documenting fire department withdrawals is set forth in Hyden-Leslie County Water District's tariff. It relies upon voluntary reporting.
  - a. No fire department has filed an estimate during this period.
  - b. Hyden-Leslie County Water District has taken no action as of this date against noncompliant fire departments.
  - c. There is no record of the assessment of any penalty.
  - d. See Attachment to this Response.
  - e. Hyden-Leslie County Water District has no information upon which to make an estimate. Its tariff assumes fire department usage is equal to 0.3 percent of its total sales.

# QUESTION 42\_ATTACHMENT PAGE 1 of 1

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### Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 43

- Q-43. Explain how the utility accounts for flushing when determining water loss for its system.
- A-43. At the time of the flushing, the operator performing the flushing estimates the amount of water use and records it on the monthly flushing log.

# Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 44

- Q-44. Provide the type of flushing equipment that the utility uses.
- A-44. The only equipment used is the tool to operate the flusher.

### Response to Commission's Order of March 12, 2019 – Appendix C Case No. 2019-00041

Question No. 45

Responding Witness: L.J. Turner

- Q-45. Provide the utility's system flushing records, by month, from January 1, 2018, to the date of the issuance of this Order, and describe the formula relied upon, identifying all variables, and all assumptions and workpapers utilized to produce this information.
- A-45. Hyden-Leslie County Water District's flushing records are attached to this Response. Hyden-Leslie County Water District did not perform any significant flushing and did not record any flushing in 2018. In January 2019, Hyden-Leslie County Water District initiated a flushing practice and maintaining a log of water use related to system flushing.

The operator determines the amount of water used for flushing by estimating the water flow from the flusher and multiplying by the time of the flow. Hyden-Leslie County Water District is investigating purchasing equipment that will provide a more precise measurement of flows.

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# QUESTION 45\_ATTACHMENT PAGE 2 of 2

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