



Kentucky Rural Water Association

Helping water and wastewater utilities help themselves

November 6, 2013

RECEIVED

NOV 8 2013

PUBLIC SERVICE
COMMISSION

Mr. Jeff Derouen, Executive Director
Public Service Commission
P. O. Box 615
Frankfort, KY 40602-0615

Re: Case No. 2013-00349

Dear Mr. Derouen:

Kentucky Rural Water Association scheduled three regional meetings during the month of October, 2013. On behalf of Kentucky Rural Water Association, I hereby attest that these programs, herein referenced as Case No. 2013-00349, were held as scheduled in Morehead, Owensboro, and Draffenville. The planned course of instruction, approved for two (2) credit hours per session by the Commission, was performed as submitted.

As required, KRWA has included a list of commissioners who attended these sessions and earned continuing education credit for the approved courses. A copy of the handout provided to attendees at the Western Regional is enclosed. There were no handouts at the other two sessions.

Kentucky Rural Water Association would like to thank the Kentucky Public Service Commission and staff for their leadership and support in approving the training offered during our Regional Meetings.

Sincerely,

Janet Cole
Education Coordinator
j.cole@krwa.org

Enclosures (2)

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NOV 8 2013

PUBLIC SERVICE
COMMISSION

**Hours Earned by Water District Commissioners Attending the
October, 2013 Regional Meetings Sponsored by
Kentucky Rural Water Association
Case #2013-00349**

Northeast Regional Meeting October 15, 2013 Ponderosa Steak House Morehead, KY			
Organization	First Name	Last Name	PSC Hours
No Commissioners Attended			

Green River Regional Meeting October 17, 2013 Ryan's Steak House Owensboro, KY			
Organization	First Name	Last Name	PSC Hours
North Logan Water District	Wallace	Harper	2

Western Regional Meeting October 24, 2013 Ponderosa Steak House Draffenville, KY			
Organization	First Name	Last Name	PSC Hours
Crittenden-Livingston Water Dist.	Randell	O'Bryan	2
Jonathan Creek Water District	Larry	Conner	2
Jonathan Creek Water District	Barry	Hill	2
Jonathan Creek Water District	Michael	Edwards	2
North Marshall Water District	Billy	Driskill	2

7 Contributing Factors

for

Kentucky's Water & Wastewater Utilities

to rank

Among the Best in America!



7 Contributing Factors

Climate/Geography

Federal Laws

State Laws & Regs

Federal Funding

State Funding/Planning

KRWA

Natural Consolidation

7 Contributing Factors

1

Climate/Geography

- **Kentucky averages nearly 50 inches of rain each year**
- **Kentucky has the second most stream miles in U.S.?
(Alaska – 1st)**
- **Kentucky relies more on surface water than groundwater
The only state in the U.S.**

2

Federal Laws

- **The Safe Drinking Water Act (1974)**
- **The Clean Water Act (1972)**
- **State Primacy (SDWA -1977, CWA - 1983)**

3

State Laws & Regs

- **DOW has been “out front” of most federal regulations**
- **KRS Chapter 74 established a framework for success!**
- **PSC jurisdiction has contributed to mostly-solvent utilities**

Federal Funding

- **USDA Rural Development in Kentucky is the “BOMB”**
- **Our U. S. Congressional delegation is very supportive**
- **Kentucky typically receives more from Washington than we pay in taxes**

7 Contributing Factors

5

State Funding/Planning

- **Kentucky's 20/20 Plan has led to \$850 million in funding**
- **SB 409 led to Planning and Project Profiles**
- **Kentucky Infrastructure Authority**

7 Contributing Factors



KRWA

- **Interim Loans - \$761 Million to 372 borrowers**
- **Flexible Term Loans - \$293 Million**
- **Trained - 60,000**
- **Assisted - 67,500**
- **293 Utility Management Professionals**

7

Natural Consolidation

- **Surface water treatment is more technically challenging**
- **Water districts and associations have expanded dramatically**
- **We're smarter than we look!**



Public Water Systems

A system for the provision to the public of water for human consumption through pipes or other constructed conveyances, if such system has at least fifteen service connections or regularly serves at least twenty-five individuals.

CWS - Community Water System (serves year-round)

Examples: Municipalities, Water Districts, Water Associations, Privates

TNCWS - Transient Non-Community Water System

Examples: Resorts, Restaurants, Motels, Campgrounds, State Parks

NTNCWS - Non-Transient Non-Community Water System

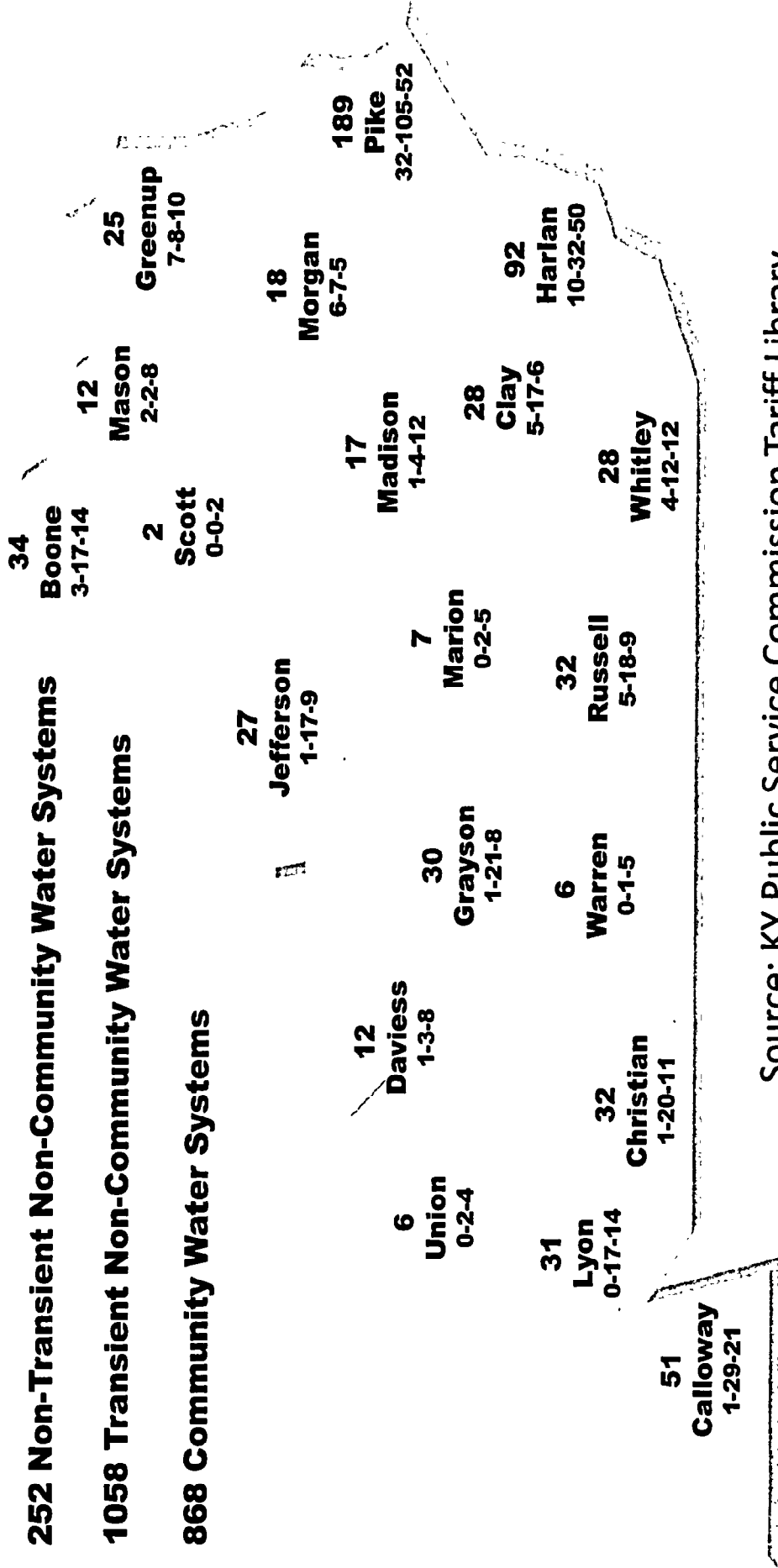
Examples: Schools, RV Parks, Industries, Senior Citizen Centers

Natural Gas Consolidation *Kentucky*

<u>YEAR</u>	<u>TNCWS</u>	<u>NTNCWS</u>	<u>CWS</u>	<u>PWS</u>	<u>CHANGE</u>
1974	1058	252	868	2178	
1979	805	252	755	1812	-17 %
1989	400	215	639	1254	-31 %
1999	199	85	497	781	-38 %
2009	49	26	409	484	-38 %
Today	32	18	370	420	-13 %

Public Water Systems By Selected Counties - 1974

Kentucky's Total = 2178



Source: KY Public Service Commission Tariff Library

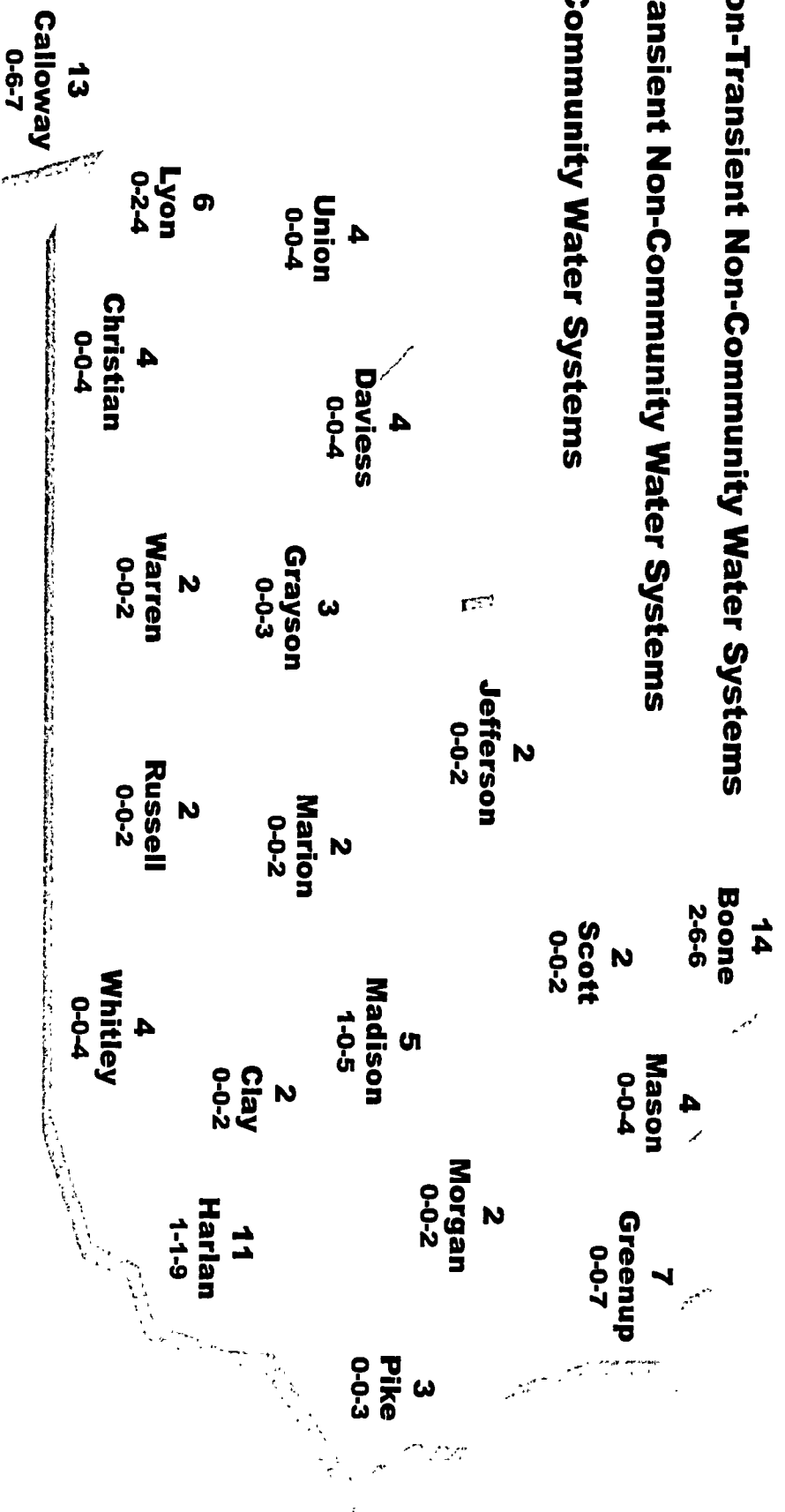
Public Water Systems By Selected Counties - 2012

Kentucky's Total = 420

18 Non-Transient Non-Community Water Systems

32 Transient Non-Community Water Systems

370 Community Water Systems



Kentucky has reduced the number of PWSs by over 80 %

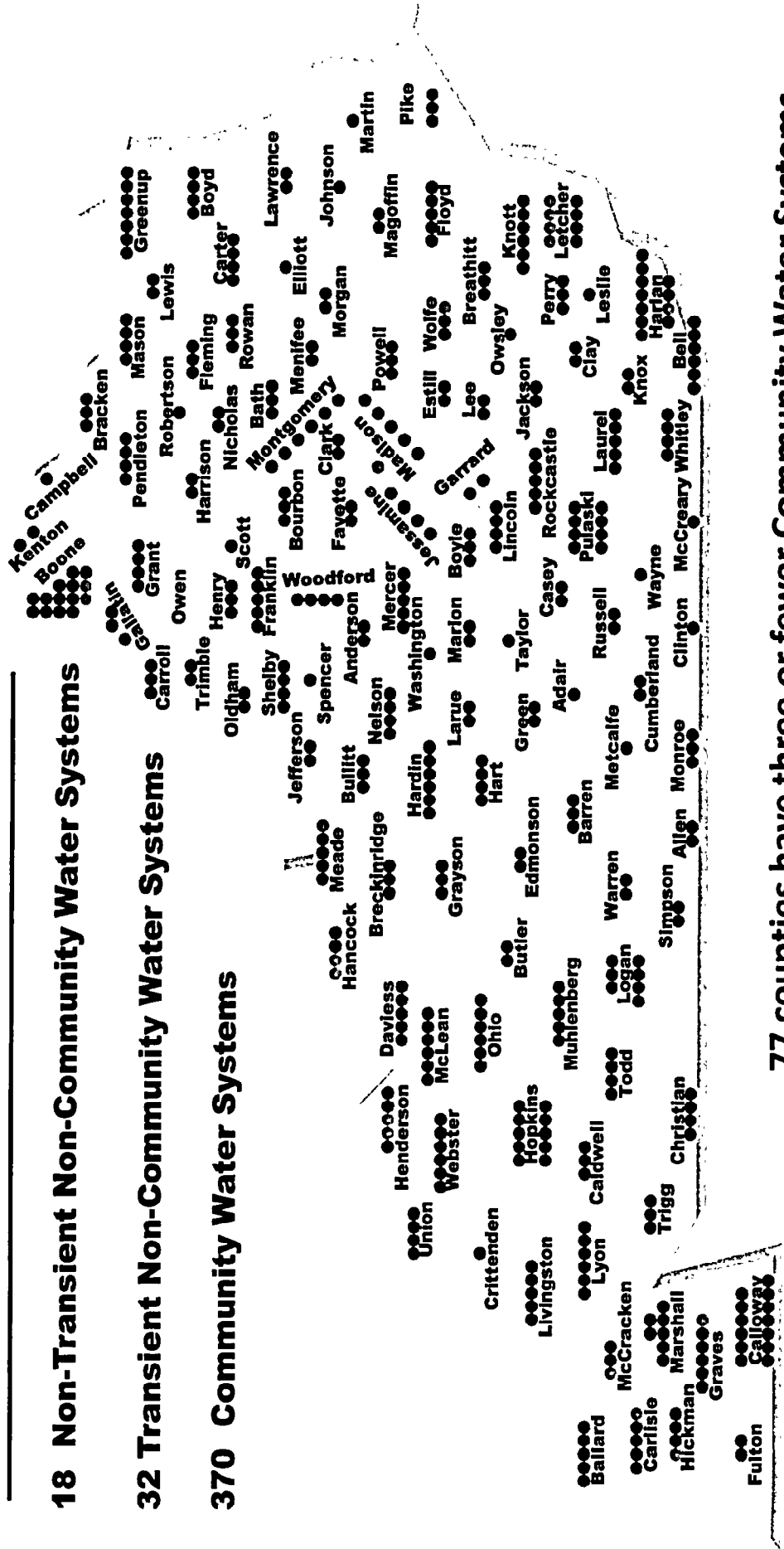
Public Water Systems in Kentucky - 2012

420 Public Water Systems in Kentucky

18 Non-Transient Non-Community Water Systems

32 Transient Non-Community Water Systems

370 Community Water Systems



77 counties have three or fewer Community Water Systems

How Much Progress Have We Made?



Pike County

Pike County Public Water Systems - 1974

Non-Transient NCWS

Bevins Elementary
 Blackberry Elementary
 Brushy Elementary
 Canada Coal
 Canada Coal #4
 Canada Coal Office
 Chisholm Coal
 Dorton Kindergarten
 Dorton School
 Doug Charles MHP
 Druthers Restaurant
 Feds Creek HS
 Freeburn Elementary
 Grapevine Elementary
 Greasy Creek School
 Jackson Rowe Elementary
 Johns Creek Elementary
 Johns Creek HS
 Kimper Elementary
 Lodestar Energy
 Majestic School
 Mine 29
 Phelps Elementary
 Phelps HS
 Roadfork Development
 Roadfork/Calloway
 Sun Glow Coal #1
 Sun Glow/Sycamore
 Sun Glow Coal #2
 Sycamore Elementary
 Tuscaloosa Energy
 Upper Levisa Health Clinic

Brass Kettle
 Brushy Creek Baptist Church
 Canada Coal/Hurricane Creek
 Canada Coal/Layne's Branch
 Caney Branch Coal
 CB's Pizza
 Coleman's Restaurant
 Cornerstone Freewill Baptist
 COE/Fishtrap Marina
 COE/Grapevine
 COE/Waterboy
 Country Café
 Dairy Hut
 Dale McNealey MHP
 Deano's Pizza
 Breaks Interstate Park
 Donna's Café
 El Producto Mining
 Falcon Motel
 Family Fun Bowling
 Flannary's Custard Stand
 Ford's Restaurant
 Gene Bentley Pizza
 George Johnson Elementary
 Giovanni's Pizza
 Hager Grocery
 Hall-Adkins Coal
 Hellier Elementary
 Herford Campbell MHP
 Hornet's Restaurant
 IGA Foodline
 Island Creek Coal #1
 Island Creek Coal #2
 J's Drive Inn
 Jan's Restaurant
 Johns Creek Elkhorn Coal
 Johnson MHP
 Judy's Kozy Kitchen
 Kentucky Carbon #1
 Kimper L&M Market

Kingdom Hall
 Kinney MHP
 Knox Creek Snack Bar
 Kentucky Carbon/Roadfork
 Kentucky Power
 L & L Coal Mart
 Lin-Corb MHP
 Little Queenie Drive Inn
 Loder House Inn
 Lodestar Energy
 Loftis Coal
 Long Fork Freewill Baptist
 Lookout Grade School
 M & D Apartments
 Mayo Trail Restaurant
 MC Mining
 Millard HS
 Mullins Trailer Park
 O K Lunch
 Papa Jack's Restaurant
 Patricia's Restaurant
 Paul's Restaurant
 Phelps BP Mart
 Phelps MHP
 Pollyanna Drive In Theater
 Prater MHP
 R/R MHP
 Ratliff MHP #1
 Ratliff MHP #2
 Rita Coal
 Rita Coal/LA 5
 Robinson Creek Elementary
 Runyon Elementary
 Shelbyana Elementary
 Shelby Valley Truck Stop
 Sidney Coal
 Silver Spoons Family Restaurant
 Slater Brothers Mining
 Snack Shack
 South Side Mall

Sovereign Coal
 Spotlite Drive In
 Stella's Rest
 Sue's Cake & Pizza
 Suzann's Drive In
 Sycamore Convenient
 T & T Gulf & Restaurant
 Thacker Building
 Turkey Creek Elementary
 Varney Elementary
 Viking Grill
 Virgie Dairy Bar
 Virgie Drive In
 Virgie Happy Mart
 Virgie HS
 Wanda's Restaurant/Pizza
 Warren Dotson Trailer Park
 Webb Grocery
 Willa's Restaurant
 Y Drive In

Community Water Systems

Adkins Trailer Park
 Aflex Water System
 Allen Properties
 Branham MHP
 C & O Railway
 Coolidge Johnson MHP
 Donald Ray MHP
 Eastern Coal
 Elkhorn City
 Elkens MHP
 Green Mountain MHP
 Griffey Trailer Park
 Indian Reservation MHP
 J & R Snack Bar
 Jack Deskins Trailer Park
 Jerry's MHP
 Keene's Village

Kentucky Carbon Trailer Park
 M & M Trailer Park
 Majestic MHP
 Marrowbone Creek
 Martin MHP
 Mayo Village
 Mother Nature
 Mother Nature Spring Water
 Mountain View Trailer Park
 Mountain Water District
 Mountain Water District #2
 Mountain Water District #3
 Phelps Coal & Land
 Phelps Medical Center
 Phelps MHP
 Pikeville Water Department
 Pond Creek Water District
 Pond Creek (1)
 Pond Creek (2)
 Pond Creek (3)
 Pond Creek (4)
 Pond Creek (5)
 Ponderosa MHP
 Potter's Trailer Park
 Potter's Water System
 Rawl Sales Tall Timber
 Roadfork Development
 Scott's MHP
 Shaheen's MHP
 Shelby Valley Water District
 Slaters MHP
 Stonecoal MHP #1
 Stonecoal MHP #2
 Stratton MHP
 White Acres MHP

Transient NCWS

Alberta King's Pizza
 Baker's Truck Stop
 Belfry HS
 Beth Elkhorn Mine
 Bonnies Rest

Pike County Public Water Systems - 2012

Non-Transient NCWS

Transient NCWS

Community Water Systems

Elkhorn City

Mountain Water District

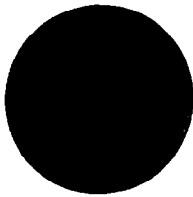
Pikeville Water & Sewer Department

<u>CLOSED</u>
49 Restaurants/Motels
40 Mobile Home Parks
35 Coal Mines
28 Schools
5 State/Federal Properties
4 Churches

3 Active Public Water Systems

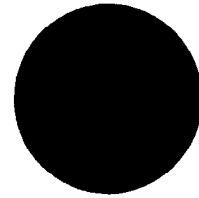
419 Public Water Systems in Kentucky

151,087 United States



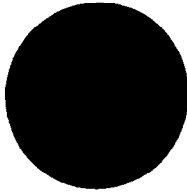
63	Very Small	(<500)
131	Small	(501-3,300)
121	Medium	(3,301-10,000)
101	Large	(10,001-100,000)
3	Very Large	(>100,000)

123,348
18,626
4,987
3,721
406



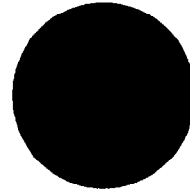
50 Distinct Non-community Systems

100,943 United States



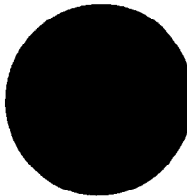
41	Very Small	(<500)
9	Small	(501-3,300)
-	Medium	(3,301-10,000)
-	Large	(10,001-100,000)
-	Very Large	(>100,000)

95,580
5,135
202
25
2



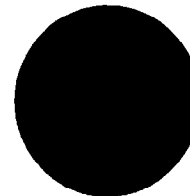
369 Distinct Community Water Systems

50,144 United States



22	Very Small	(<500)
122	Small	(501-3,300)
121	Medium	(3,301-10,000)
101	Large	(10,001-100,000)
3	Very Large	(>100,000)

27,768
13,491
4,785
3,696
404



201 Municipal Utilities

1	Very Small	(<500)
89	Small	(501-3,300)
59	Medium	(3,301-10,000)
51	Large	(10,001-100,000)
1	Very Large	(>100,000)

Examples:

Columbus

Louisville Water Company

114 Water Districts

3	Very Small	(<500)
21	Small	(501-3,300)
52	Medium	(3,301-10,000)
37	Large	(10,001-100,000)
1	Very Large	(>100,000)

Cunningham, Milburn, Sedalia

Northern Kentucky Water District

22 Water Associations

-	Very Small	(<500)
4	Small	(501-3,300)
7	Medium	(3,301-10,000)
11	Large	(10,001-100,000)
-	Very Large	(>100,000)

32 Private/Govt/Other

18	Very Small	(<500)
8	Small	(501-3,300)
3	Medium	(3,301-10,000)
2	Large	(10,001-100,000)
1	Very Large	(>100,000)

Saint Anne Convent

Kentucky-American Water Company

W. Wein



Kentucky



<u>PWS</u>	<u>CWS</u>	
10,730	578	VERY SMALL
532	314	SMALL
113	104	MEDIUM
73	73	LARGE
4	4	VERY LARGE
<u>PWS</u>	<u>CWS</u>	
63	22	VERY SMALL
130	121	SMALL
120	120	MEDIUM
104	104	LARGE
3	3	VERY LARGE

Active U.S. Public and Community Water Systems by Size Category

All Public Water Systems (PWS)								Community Water Systems (CWS)							
State	Total	Population Served					% < 3300	Total	Population Served					% < 3300	State
		<500	501-3300	3301-10k	10k-100k	>100k			<500	501-3300	3301-10k	10k-100k	>100k		
		VS	S	M	L	VL			VS	S	M	L	VL		
AL	608	104	218	180	101	5	53	528	37	205	180	101	5	46	AL
AK	1550	1390	134	18	7	1	98	436	327	85	16	7	1	94	AK
AZ	1570	1150	281	74	55	10	91	780	449	195	72	54	10	83	AZ
AR	1107	588	361	110	47	1	86	710	201	361	110	47	1	76	AR
CA	7699	6200	791	272	351	85	91	3028	1900	465	232	346	85	78	CA
CO	2053	1569	813	90	72	9	92	877	511	207	78	72	9	82	CO
CT	2588	2888	143	21	32	4	98	544	416	71	21	32	4	90	CT
DE	493	377	84	15	14	3	94	216	136	49	14	14	3	86	DE
FL	5532	4598	538	154	201	41	93	1728	510	102	146	199	41	76	FL
GA	2430	1803	390	125	95	17	90	1776	1215	325	124	95	17	87	GA
HI	129	129	35	22	16	2	69	110	9	32	21	16	2	65	HI
ID	1955	1752	149	31	19	1	97	745	591	109	31	19	1	93	ID
IL	5596	4307	389	227	213	10	92	1751	610	690	225	213	10	74	IL
IN	4208	396	1501	127	79	5	95	813	292	812	125	79	5	74	IN
IA	1909	1310	498	86	42	3	93	1122	705	397	85	42	3	80	IA
KS	1021	1350	338	58	28	5	91	887	467	329	58	28	5	90	KA
KY	462	91	141	122	105	3	50	402	39	133	122	105	3	43	KY
LA	1403	1727	414	165	60	7	83	1049	429	389	164	60	7	78	LA
ME	1872	1596	150	19	12	1	98	378	250	93	19	12	1	92	ME
MD	3432	3078	290	37	26	5	98	474	309	108	35	26	5	86	MD
MA	1740	1342	241	91	160	6	85	527	207	157	91	158	6	52	MA
MI	11246	10246	112	159	134	8	97	1397	774	384	150	132	8	79	MI
MN	7118	6371	459	92	82	3	98	961	574	308	90	82	3	82	MN
MS	1263	937	666	150	55	1	84	1107	276	632	148	54	1	82	MS
MO	2782	2889	1391	137	59	6	93	1474	1226	228	136	59	6	86	MO
MT	2102	1376	197	26	8	1	98	698	579	102	26	7	1	95	MT
NE	1323	1069	215	29	12	2	97	589	428	38	26	12	2	93	NE
NV	560	336	68	22	10	4	94	211	151	38	20	10	4	83	NV
NH	2427	1836	298	23	17	1	98	705	579	30	21	17	1	94	NH
NJ	3891	3363	267	97	145	16	93	612	230	107	85	144	16	60	NJ
NM	1192	967	160	40	24	1	95	600	421	117	37	24	1	90	NM
NY	8980	7780	867	181	134	18	96	2466	1564	593	164	128	17	87	NY
NC	6092	5390	433	139	117	13	96	2081	1473	340	138	117	13	87	NC
ND	542	399	116	17	10	0	95	332	196	109	17	10	0	82	ND
OH	4884	3951	613	158	151	11	93	1240	520	403	155	151	11	74	OH
OK	1642	1073	426	93	48	2	91	1095	544	408	93	48	2	87	OK
OR	2604	2254	238	56	52	4	96	875	610	155	54	52	4	87	OR
PA	9225	7974	900	204	132	15	96	2061	1250	480	184	132	15	84	PA
RI	485	419	38	13	14	1	84	89	51	11	12	14	1	70	RI
SC	1442	1122	167	80	67	6	89	600	297	152	78	67	6	75	SC
SD	644	474	129	28	12	1	94	456	298	148	27	12	1	91	SD
TN	853	413	172	148	114	6	69	479	66	148	145	114	6	45	TN
TX	6946	4157	1840	638	277	34	86	4717	2159	1621	627	277	33	80	TX
UT	1009	749	157	49	51	3	90	465	243	120	48	51	3	78	UT
VT	1363	1204	127	25	7	0	98	439	321	86	25	7	0	93	VT
VA	2787	2207	422	83	59	16	94	1169	764	254	80	55	16	87	VA
WA	4116	3567	521	111	108	9	94	2242	1696	385	96	106	9	91	WA
WV	1042	710	243	65	23	1	91	492	180	225	63	23	1	82	WV
WI	11465	10742	533	113	73	4	98	1070	573	316	104	73	4	82	WI
WY	795	675	95	16	9	0	97	313	280	60	14	9	0	93	WY
		VS	S	M	L	VL	average		VS	S	M	L	VL	average	
Low	150177	122492	18199	5036	3739	411	94%	49916	27606	13357	4832	3712	409	82%	Low
High		81.6%	12.3%	3.4%	2.5%	0.3%			55.3%	26.8%	9.7%	7.4%	0.8%		High

(Does not include Washington D.C., U.S. Territories or Tribal Water Systems)

Source: EPA SDWIS/FED Database

