



Together, Investing in Municipal Excellence

RURAL WATER ADVISORY BOARD MEETING AGENDA

APRIL 18, 2024

723 S Lewis Street
Room 1122B
Stillwater, OK 74074
12:00 PM

1. Call Meeting to Order

2. General Orders

The Advisory Board will hear a staff presentation and take action including a vote or series of votes on each item listed as presented or as amended or revised by members of the Advisory Board unless the agenda entry specifically states no action will be taken. The requested action is indicated in each agenda entry but may be amended or revised prior to action by the Advisory Board.

- a. Open Meetings Act Training. *(No action will be take on this item.)* Kimberly Carnley
- b. Consider approval of the January 18, 2024, minutes. Robert Sitton
- c. Staff report on the following: David Barth
 - i. Items, including leaks and repairs, affecting Rural Water Corp #3 customers. *(No action will be taken on this item.)*
 - ii. Update on the Rural Water Corp #3 Agreement, Exhibit C Phase I and Phase II Projects. *(No action will be taken on this item.)*
 - iii. Update on current water utility projects affecting Rural Water Corp#3. *(No action will be taken on this item.)*
- d. Discussion on Rural Water Advisory Board semi-annual report.*(No action will be taken on this item.)* Robert Sitton

- e. Discussion and recommendations on matters pertaining to the operation and maintenance of Rural Water Corp #3 to the SUA. *(No action will be taken on this item.)*

Robert Sitton

3. Public Comment/Input on Rural Water Corp #3

No action will be taken by the Board on items presented by the public at this meeting.

4. Reports from Officers and Boards

Announcements and remarks of general interest may be made by board/committee/commission members, staff, or City Attorney. Items of business that may require discussion or action including a vote or series of votes are listed below.

- a. Discussion and possible action on future meetings.

- i. Next meeting July 18, 2024.

5. Adjourn

On _____ at _____, a true and correct copy of this agenda was posted on the kiosk outside City Hall, 723 S. Lewis Street, Stillwater, OK.

The City of Stillwater encourages participation from all citizens. If participation at any public meeting is not possible due to a disability, please notify the City Manager's office at least 48 hours prior to the meeting by calling 405.742.8209.

- Meetings are televised on AT&T U-verse channel 99 and Suddenlink channel 14.
- Find meeting agendas and minutes online at [Agendas and Minutes](#)
- Official minutes are archived in the City Clerk's office.
- Go to [eNotifications](#) for email notices when an agenda is posted. Select each elected or appointed board or committee for which you would like to receive notices.

Report to Stillwater Utilities Authority
Jan. 15, 2024
Semi-Annual Report for 2023
(July - December)

Prepared by: Robert H. Sitton, Jr., Chairman
Stillwater Rural Water Advisory Board
Printed: April 12, 2024

Report #31

Purpose:

The purpose of the Stillwater Rural Water Advisory Board, as stated in the Ordinance of Establishment is to advise and make recommendations to the City Council on matters pertaining to operation and maintenance of rural water systems operated and/or maintained by the City of Stillwater thru the Stillwater Utility Authority.

Meeting Information:

Normal meeting time for Stillwater Rural Water Advisory Board (SRWAB) is on the third Thursday quarterly at 12:00 noon. Four times a year, generally in January, April, July and October. Our calendar is posted. The meetings are open and I invite any of you to come.

Membership:

Current Members of SRWAB are made up of the Payne County Rural Water Corp. #3 Board Members. This board reduces it's number of board members from 7 to 5 at the annual meeting, September 28, 2017. Below was our board thru 2022. Oct. 2023 Kent Bradley resigned and the Payne County Rural Water Corp. #3 had a special meeting to seat another member. Bill Furman seated to replaced Kent Bradley and complete his term.

Robert H. Sitton, Jr. Chairman	5717 W. Deanita Ln. Stillwater, OK 74075 Home (405)377-9555 Cell (405)612-5777	Term expires 2025 E-Mail sittonjrrobert@aol.com
Stephen Mayo Vice-Chair	5421 W. Airport Rd. Stillwater, OK 74075 Cell (405)762-0952	Term expires 2025 E-Mail stephen.m.mayo@gmail.com
Danny Wick	2918 N. Country Club Rd. Stillwater, OK 74075 Cell (405)747-7884	Term expires 2023 E-Mail dannywick@ymail.com
Kent Bradley	3025 S. Isabell Pointe Dr. Stillwater, OK 74074	Term expires 2024

Home (405)372-7590
Cell (405)612-7920 E-Mail kentbradley@bcdco.us

Stephen Mayo 5421 W. Airport Rd. Term expires 2025
Stillwater, OK 74075
Cell (405)762-0952 E-Mail stephen.M.Mayo@gmail.com

J. Bryce Campbell 3309 Timberlake Dr. Term expires 2024
Stillwater, OK 74075
Home (405)747-0002 E-Mail jbrycecampbell@gmail.com

Bill Furman 4709 N. Country Club Rd. Term Expires 2024
Stillwater, OK 74075
Cell (405)880-2038 E-Mail wildbillfurman5@gmail.com

Report Sections:

1. **Health of the System**

The monthly data series being considered are:

- A. Total gallons of water distributed to PCRWC#3 area:
- B. Total gallons of water billed to PCRWC#3 customers:
- C. Water loss or unaccounted for in the PCRWC#3 area:
- D. Active customers and new customers in the PCRWC#3 area:
- E. Net increase/(decrease) in customers in the PCRWC#3 area:
- F. New meters requested and installed in the PCRWC#3 area:
- G. General Comments:

Data tables that show items A.-C. are on Attachment One, attached at the end of this report.

Data tables that show items D.-E. are on Attachment Two, attached at the end of this report.

Data tables that show item F. is on Attachment Three, attached at the end of this report.

All numbers are provided to me from various departments and supplied at the quarterly meeting, which are public. Please keep in mind that we started this data in 2007 and some in 2010. Trends may start to show as more years are compiled.

G. General Comments:

We, as customers of the City of Stillwater, should be talking to our neighbors and friends that are on this rural system, to help the City of Stillwater acquire the necessary easements for all the above and below ground facilities. We should all want the City of Stillwater to have the

ability to access all the facilities so they can maintain them and make any needed additions or corrections to the system.

2. **Activities related to the PCRWC#3 area.**

Improvements – Those items listed in Amended Exhibit C of the agreement between City of Stillwater and Payne County Rural Water Corporation #3, which was accepted September 16, 2010. This report follows as Attachment Four.

Studies -

- a. **Yost Road Booster Pump Station Improvement Project Report** was presented to SRWAB July 18, 2013 by Mary Elizabeth Mach from Garver Engineers. The city has not moved any further on this project, since they are short staffed.
- b. **Water 2040** Package B has been completed. Staff will continue to monitor the system with the knowledge of what Package C would do to the system and when it will be needed.

3. **Awareness Items to Stillwater Utility Authority.**

- a. **Yost Lake Pump Station**-The water department has done the studies and knows that there is a need to upgrade the Yost Lake Pump Station, that is on the Amended Exhibit C, #12. The water department has put a moratorium on the Yost Zone, which is North-west of Western and Lakeview. Since this project has not moved forward, there has not been any meters approved to install, since water volume and pressure is an issue.
- b. **Flushing dead End Lines.** The water department had a schedule to flush the water system's dead end lines. I know one that is not on that schedule of the schedule has been abandon.

4. **General comments to Stillwater Utility Authority.**

Comments from rural customers –We continue to get comments from customers in the rural water service area about their appreciation for the service they are receiving from the employees of the City of Stillwater.

5. **Recommendations to the Stillwater Utility Authority.**

- a. **Approve** the work to upgrade the Yost Lake Pump Station and get it in motion so the North-West property owners can get water meters.
- b. **Follow-up** with the water department to insure that the rural water lines are being flushed on the State recommended schedule.

Respectfully submitted,

s/Robert H. Sitton, Jr. Chairman

Draft

Attachment #1

Water Provided to PCRWC#3 Area

(Gallons)

	2011	2011	2011	2012	2012	2012	2012	2013	2,013	2013	2013
	Distributed	Billed	(Loss%)	Distributed	Billed	(Loss%)	Hydrants Flushed	Distributed	Billed	(Loss%)	Hydrants Flushed
January	10,683,000	9,050,400	15.28%	6,376,000	8,237,900	-29.2%	11	10,634,000	7,954,200	25.2%	10
February	12,939,000	9,205,400	28.86%	4,677,000	6,218,100	-32.95%	18	7,898,000	8,056,400	-2.01%	10
March	10,186,300	5,501,700	45.99%	4,137,000	6,925,900	-67.66%	15	6,995,000	6,767,400	3.25%	11
April	16,858,700	14,433,200	14.39%	4,741,000	7,832,400	-63.1%	24	7,463,000	6,815,200	8.68%	9
May	14,342,000	11,846,700	17.4%	6,578,000	13,648,200	-107.48%	24	10,935,000	8,905,800	18.56%	13
June	22,880,000	16,193,800	29.22%	13,692,000	18,196,700	-32.9%	15	14,651,000	10,984,800	25.02%	4
July	34,119,000	16,205,100	52.5%	29,517,000	23,477,700	20.46%	15	18,810,000	15,689,200	16.59%	38
August	27,277,600	28,348,600	-3.93%	34,108,000	39,977,600	-17.21%	15	17,570,000	12,254,200	30.25%	27
September	26,550,000	20,927,900	21.18%	18,924,000	19,778,000	-4.51%	6	19,468,000	16,829,800	13.55%	2
October	16,307,000	12,430,600	23.77%	8,893,000	11,802,400	-3.27%	12	12,369,000	11,815,500	4.47%	10
November	10,379,000	8,904,500	14.21%	10,708,000	11,881,800	-10.96%	24	11,479,000	8,216,200	28.42%	8
December	5,717,000	8,706,700	-52.3%	10,914,000	9,286,100	14.92%	20	9,639,000	7,851,000	18.55%	2
Totals	208,238,600	161,754,600	22.32%	153,265,000	177,262,800	-15.65%	199	147,911,000	122,139,700	17.42%	144

There was a broken meter Dec. 2011 thru June 2012, which is why the numbers are what they are for 2012.

Billing lags behind the usage so it is hard to view the true billed water losses. Multiple years are needed to spot a trend.

Flushing Hydrants and Dead Ends are included in the losses. Gallons flushed is not being recorded when it is done, by the person doing the flushing.

The Fire Departments do not report usage. Rural fires play a part in the losses.

Droughts and earthquakes play a part in water losses, creating breaks in the water pipes. The breaks are not being reported.

Theft of water plays a part in water loss.

Formula for Water Loss=Distributed-Billed/Distributed

Total in the (Loss) is the Average of those Months.

Attachment #1

Water Provided to PCRWC#3 Area

(Gallons)

	2014	2014	2014	2014	2015	2015	2015	2015	2,016	2016	2016	2016
	Distributed	Billed	(Loss%)	Hydrants Flushed	Distributed	Billed	(Loss%)	Hydrants Flushed	Distributed	Billed	(Loss%)	Hydrants Flushed
January	11,630,000	9,050,400	22.18%	22	17,960,000	9,009,500	49.84%	8	13,089,900	7,451,300	43.08%	11
February	9,860,000	9,205,400	6.64%	14	9,596,200	8,537,600	10.42%	6	11,466,500	6,984,500	39.08%	11
March	9,115,000	7,794,200	14.49%	2	17,089,100	6,228,200	63.55%	6	10,568,200	7,208,600	31.79%	11
April	13,803,700	9,633,300	30.21%	3	18,654,500	11,148,900	40.23%	4	61,837,800	10,223,800	83.35%	11
May	18,203,700	16,782,399	7.81%	14	14,985,400	9,589,600	36%	10	18,198,800	8,500,600	53.29%	67
June	12,640,400	12,477,000	1.29%	16	14,251,700	9,980,100	29.97%	9	20,590,300	13,371,800	35.06%	11
July	13,433,000	14,084,600	-4.85%	36	13,790,400	16,438,300	-19.20%	0	22,336,800	13,050,400	41.57%	52
August	16,258,200	15,740,400	3.18%	11	20,599,700	18,167,800	11.81%	0	21,597,000	15,248,000	29.40%	47
September	19,496,100	14,928,100	23.43%	31	17,448,000	15,537,400	10.95%	57	20,347,900	14,609,700	28.20%	49
October	19,443,600	11,768,400	39.47%	20	16,751,400	12,744,500	23.92%	50	18,137,800	9,612,400	47.00%	Not Provided
November	19,429,900	9,658,500	50.29%	13	8,871,800	8,911,000	-0.44%	15	18,832,100	9,375,200	50.22%	Not Provided
December	15,416,700	6,324,500	58.98%	13	10,182,900	7,469,000	26.65%	18	12,199,700	8,427,700	30.92%	Not Provided
Totals	178,730,300	137,447,199	21.09%	195	180,181,100	133,761,900	23.64%	183	249,202,800	124,064,000	42.75%	
		23.10%				25.76%				50.02%		

There was a meter that was not read for Dec. 2015 thru March 2016 which is why the numbers are what they are for 2016.

	2017	2017	2017	2017	2018	2018	2018	2018	2019	2019	2019	2019
	Distributed	Billed	(Loss%)	Hydrants Flushed	Distributed	Billed	(Loss%)	Hydrants Flushed	Distributed	Billed	(Loss%)	Hydrants Flushed
January	12,126,800	8,236,800	32.07%	38	13,302,300	10,079,800	24.23%	13	6,795,000	7,244,500	-6.62%	Not Provided
February	11,684,600	10,159,800	15.62%	64	14,041,100	7,632,300	45.64%	24	14,246,600	6,362,200	55.34%	Not Provided
March	12,984,900	7,823,600	39.75%	79	12,494,600	7,997,800	35.99%	15	12,567,200	6,188,400	50.75%	Not Provided
April	16,314,700	9,504,900	41.74%	128	13,260,500	7,680,300	42.08%	12	12,003,000	6,805,100	43.31%	Not Provided
May	9,058,800	7,868,800	13.14%	59	15,565,700	11,613,200	25.39%	10	9,212,800	7,816,500	15.16%	Not Provided
June	12,326,400	14,648,900	-18.84%	4	16,032,100	17,197,300	-7.27%	1	10,180,300	8,581,000	15.71%	Not Provided
July	10,992,300	15,806,300	-43.79%	65	19,163,100	14,474,900	24.46%	Not Provided	11,761,300	15,689,800	-33.40%	75
August	9,059,500	16,550,400	-82.68%	46	16,008,300	16,885,200	-5.48%	Not Provided	6,802,100	19,281,800	-183.47%	105
September	100,324,700	15,997,100	84.05%	68	17,897,900	12,116,400	32.30%	Not Provided	8,821,400	12,961,500	-46.93%	97
October	-79,717,600	9,356,100	111.74%	45	14,114,500	8,614,900	38.96%	Not Provided	8,070,000	8,603,300	-6.61%	100
November	13,034,800	8,108,000	37.80%	37	14,470,700	7,639,800	47.21%	Not Provided	7,728,500	8,505,900	-10.06%	4
December	11,851,700	6,864,600	42.08%	22	13,775,300	7,087,300	48.55%	Not Provided	6,874,700	6,510,400	5.30%	0
Totals	140,041,600	130,925,300	22.72%	655	180,126,100	129,019,200	29.34%		115,062,900	114,550,400	-8.46%	
		6.51%										

Attachment #1

Water Provided to PCRWC#3 Area

(Gallons)

	2020	2020	2020	2020	2021	2021	2021	2021	2022	2022	2022	2022
	<u>Distributed</u>	<u>Billed</u>	<u>(Loss%)</u>	<u>Hydrants Flushed</u>	<u>Distributed</u>	<u>Billed</u>	<u>(Loss%)</u>	<u>Hydrants Flushed</u>	<u>Distributed</u>	<u>Billed</u>	<u>(Loss%)</u>	<u>Hydrants Flushed</u>
January	15,258,865	7,307,500	52.11%	3	9,871,030	8,138,500	17.55%	50	The	10,403,600	?	0
February	15,209,223	6,692,700	60%	0	9,744,090	8,772,000	9.97%	31	figures	6,651,300	?	0
March	14,878,857	6,660,200	55.24%	2	9,238,610	7,613,500	17.59%	71	that	7,421,100	?	2
April	14,404,232	6,602,800	54.76%	2	10,692,270	8,990,800	15.91%	44	were	10,175,500	?	0
May	15,620,973	11,147,700	28.64%	8	10,823,660	8,876,300	17.99%	42	provided	12,425,000	?	0
June	20,618,141	17,076,600	17.18%	11	11,745,505	10,228,700	12.91%	36	DO	10,097,800	?	0
July	14,015,150	17,175,300	-22.55%	9	17,310,700	15,750,500	9.01%	1	NOT	27,167,300	?	0
August	29,751,450	19,285,400	35.18%	11	16,363,030	15,470,400	5.46%	6	Addup	22,074,400	?	62
September	19,172,500	16,201,300	15.50%	3	14,977,120	13,760,800	8.12%	0	Correctly.	21,130,800	?	128
October	14,039,850	13,331,700	5.04%	0	10,708,175	9,183,300	14.24%	0	I	17,288,400	?	63
November	11,478,650	11,273,300	1.79%	37	10,208,693	9,039,700	11.45%	0	am	11,192,500	?	109
December	7,594,340	7,819,800	-2.97%	82	8,446,285	7,138,500	15.48%	0	NOT	8,342,400	?	99
Totals	192,042,231	140,574,300	24.99%	168	140,129,168	122,963,000	12.97%	281	Reporting	0		463

	2023	2023	2023	2023
	<u>Distributed</u>	<u>Billed</u>	<u>(Loss%)</u>	<u>Hyd. Flushed</u>
January	20,414,400	10,298,900	49.55%	65
February	28,340,500	7,461,300	73.37%	38
March	20,099,800	7,373,700	63.31%	22
April	24,250,000	10,545,500	56.51%	0
May	14,091,900	12,031,600	14.62%	0
June	19,741,400	15,102,900	23.50%	0
July	17,551,900	13,215,100	24.71%	Not Provided
August	32,038,600	18,328,700	42.79%	Not Provided
September	15,838,800	16,715,500	-5.54%	Not Provided
October	22,890,100	15,462,400	32.45%	86
November	16,004,900	10,893,400	31.94%	76
December	14,736,000	9,114,300	38.15%	61
Totals	245,998,300	146,543,300	37.11%	348

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Attachment #2

Customer Base in the PCRWC#3 area:

	Active Customers					New Customers					Customer Turnovers				
	2010	2011	2012	2013	2014	2010	2011	2012	2013	2014	2010	2011	2012	2013	2014
January		1284	1307	1321	1353		8	14	7	16		0.62%	1.07%	0.53%	1.18%
February	1247	1284	1304	1321	1353	7	6	8	10	4	0.56%	0.47%	0.61%	0.76%	0.3%
March	1249	1284	1307	1326	1365	14	13	13	11	21	0.96%	1.01%	0.99%	0.83%	1.54%
April	1260	1283	1307	1326	1365	19	21	10	10	15	0.64%	1.71%	0.76%	0.75%	1.1%
May	1263	1284	1308	1340	1371	27	14	41	42	29	1.9%	1.01%	3.13%	3.13%	2.12%
June	1263	1287	1308	1340	1371	35	32	24	47	23	2.77%	2.26%	1.83%	3.51%	1.68%
July	1269	1287	1307	1340	1376	28	19	21	20	23	1.74%	1.48%	1.61%	1.49%	1.67%
August	1269	1288	1307	1340	1376	23	23	25	24	22	1.81%	1.63%	1.91%	1.79%	1.6%
September	1279	1299	1307	1346	1384	15	14	5	24	18	0.39%	0.23%	0.38%	1.78%	1.3%
October	1280	1299	1307	1346	1384	20	12	11	18	17	1.49%	0.92%	0.84%	1.34%	1.23%
November	1282	1299	1309	1345	1386	13	11	13	12	14	0.86%	0.85%	0.99%	0.89%	1.01%
December	<u>1282</u>	<u>1299</u>	<u>1309</u>	<u>1345</u>	<u>1386</u>	<u>9</u>	<u>12</u>	<u>16</u>	<u>15</u>	<u>15</u>	<u>0.7%</u>	<u>0.92%</u>	<u>1.22%</u>	<u>1.11%</u>	<u>1.08%</u>
Averages	1268	1290	1307	1336	1373	19	15	17	20	18	1.26%	1.09%	1.28%	1.49%	1.32%

	Active Customers					New Customers					Customer Turnovers				
	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019
January	1394	1416	1,485	1534	1546	19	8	10	11	17	1.36%	0.56%	0.67%	0.72%	1.10%
February	1394	1416	1,485	1534	1546	16	21	13	11	21	1.14%	1.48%	0.87%	0.72%	1.36%
March	1394	1416	1,485	1534	1546	21	13	23	19	20	1.51%	0.92%	1.55%	1.24%	1.30%
April	1394	1447	1,502	1543	Not Provided	14	30	18	28	17	1%	2.07%	1.19%	1.81%	*
May	1396	1447	1,502	1543	Not Provided	16	37	32	45	42	1.15%	2.56%	2.13%	2.92%	*
June	1396	1447	1,502	1543	Not Provided	42	32	37	37	37	3.01%	2.21%	2.46%	2.40%	*
July	1400	1457	1,507	1543	1475	37	23	30	22	31	2.64%	1.58%	1.99%	1.43%	2.10%
August	1400	1457	1,507	1543	1487	21	43	31	20	26	1.50%	2.95%	2.06%	1.30%	1.75%
September	1409	1457	1,507	1543	1481	14	14	8	14	14	1%	0.96%	0.53%	0.91%	0.95%
October	1409	1466	1,511	1556	1481	17	14	14	17	16	1.21%	0.95%	0.93%	1.09%	1.08%
November	1409	1466	1,511	1556	1481	9	13	8	18	14	0.64%	0.88%	0.53%	1.16%	0.95%
December	<u>1409</u>	<u>1466</u>	<u>1,511</u>	<u>1556</u>	<u>1488</u>	<u>14</u>	<u>14</u>	<u>20</u>	<u>24</u>	<u>21</u>	<u>1%</u>	<u>0.95%</u>	<u>1.32%%</u>	<u>1.54%</u>	<u>1.41%</u>
Averages	1400	1447	1,501	1544		20	22	20	22		1.43%	1.51%	1.36%	1.44%	

*Customer Turnover Rate is New Customers/Active Customers. I can't report if the city will not provide active customer numbers.

Attachment #2

Customer Base in the PCRWC#3 area:

	Active Customers				New Customers				Customer Turnovers			
	2020	2021	2022	2023	2020	2021	2022	2023	2020	2021	2022	2023
January	1494	1502	1503	1557	12	15	9	18	0.80%	0.99%	0.60%	1.16%
February	1492	1499	1499	1557	12	8	10	9	0.80%	0.53%	0.67%	0.58%
March	1497	1503	1501	1557	15	17	14	15	1%	1.13%	0.94%	0.96%
April	1490	1509	1495	1557	16	21	13	10	1.07%	1.39%	0.87%	0.64%
May	1499	1511	1503	1557	38	25	27	28	2.53%	1.65%	1.80%	1.80%
June	1504	1526	1506	1557	39	35	40	37	2.59%	2.29%	2.66%	2.38%
July	1494	Not Provided	1551	1557	32	29	31	27	2.14%	*	2.00%	1.73%
August	1502	Not Provided	1551	1557	25	23	19	16	1.66%	*	1.23%	1.03%
September	1502	Not Provided	1551	1557	19	24	19	7	1.26%	*	1.23%	0.45%
October	1496	Not Provided	1551	1557	13	10	16	NP	0.86%	*	1.03%	0
November	1499	Not Provided	1551	1557	16	13	3	NP	1.06%	*	0.19%	0
December	1499	Not Provided	1551	1557	19	13	13	69	1.26%	*	0.87%	4.43%
Averages	1,497		1526	1557	21	28	18	24	1.42%		1.17%	1.26%

I can't report if the city will not report new customer by the month.

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Attachment #3

New Water Meters Requested and Installed in the PCRWC#3 area

	2008	2008	2009	2009	2010	2010	2011	2011	2012	2012	2013	2013	2014	2014
	Requested	Installed	Requested	Installed	Requested	Installed	Requested	Installed	Requested	Installed	Requested	Installed	Requested	Installed
January	1	2	0	0	0	0	1	0	0	0	15	18	0	0
February	1	1	0	0	0	0	8	0	0	0	1	1	0	0
March	0	13	0	0	0	1	2	0	3	0	1	1	1	0
April	0	1	0	0	0	2	1	1	1	2	5	4	1	1
May	0	0	4	0	4	10	3	0	3	0	1	1	4	0
June	0	0	1	0	1	0	0	0	3	3	9	6	3	1
July	0	2	4	4	4	0	5	1	1	0	4	9	4	4
August	0	0	6	0	6	0	8	0	0	0	1	3	0	5
September	0	0	5	0	5	1	0	2	1	0	0	1	3	5
October	0	0	4	0	4	6	1	6	0	0	6	12	3	1
November	0	0	4	0	4	4	0	2	1	50	3	0	0	3
December	0	0	0	5	0	0	4	0	11	4	4	0	1	0
Totals	2	19	28	9	28	24	33	12	24	59	50	56	20	20
	2015	2015	2016	2016	2017	2017	2018	2018	2019	2019	2020	2020	2021	2021
	Requested	Installed	Requested	Installed	Requested	Installed	Requested	Installed	Requested	Installed	Requested	Installed	Requested	Installed
January	0	0	0	0	11	1	0	3	3	0	2	0	2	0
February	0	0	1	0	3	4	1	0	2	5	0	1	0	0
March	6	0	3	0	1	4	2	2	0	5	2	0	1	2
April	2	5	5	3	14	3	6	4	3	1	0	0	0	2
May	0	1	2	6	2	10	3	4	2	2	1	1	3	1
June	3	0	3	2	2	1	4	0	0	2	3	2	1	1
July	1	2	0	1	3	0	1	6	0	2	2	1	0	1
August	3	1	2	3	2	2	0	1	1	0	0	4	1	0
September	2	1	3	1	0	2	2	0	5	3	2	0	0	1
October	1	3	0	2	3	3	2	1	2	1	1	0	0	2
November	6	2	3	3	2	2	2	4	1	2	2	3	0	2
December	1	5	0	4	1	1	8	2	1	4	4	0	0	2
Totals	25	20	22	25	44	33	31	47	20	27	19	12	8	14

Attachment #3

New Water Meters Requested and Installed in the PCRWC#3 area

	2022	2022	2023	2023
	Requested	Installed	Requested	Installed
January	6	0	1	1
February	12	0	0	2
March	2	4	1	1
April	3	1	0	1
May	10	0	0	0
June	4	3	1	1
July	0	0	0	1
August	0	2	0	1
September	0	1	0	0
October	2	2	4	0
November	1	3	3	0
December	0	0	0	2
Totals	40	16	10	10

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Draft

Attachment #4

Status of Projects Affecting Former PCRWC#3 (Amended Exhibit C and Other Projects)

Phase 1 – Items to be completed July 1, 2011 thru June 30, 2013

#1 - Hilltop Booster Pump Station

Project Description: Replace all piping in the vault of the lift station. Install second pump and refurbish electrical controls. Shown as Item 3a in Proposed Water Utilities General Capital Projects.

Status: **Completed 2012 - Will be Abandoned with Water2040.**

#2 - Various Locations

Project Description: Install flush/fire hydrants at locations to be determined by field operations personnel. Shown as Item 3b in Proposed Water Utilities General Capital Projects.

Status: **Completed 2013**

#3 - Country Club between 37th and 44th (map #01-31)

Project Description: Install 650 feet of 4" line. Shown as Item 3c in Proposed Water Utilities General Capital Projects.

Status: **Completed:** Phase 1 was completed in fall of 2016. Phase 2 was completed in winter of 2018.

#4 - Vicinity of 19th - Location TBD

Project Description: Install chlorine injection facility to boost chlorine residual in the system. Shown as Item 3d in Proposed Water Utilities General Capital Projects.

Status: Dec. 2023. The Water Quality Study is nearly complete. Staff has started making some operational changes to improve water quality and chlorine residual.

#5 - OSU Plant

Project Description: Remove meter, abandon 3,000 feet of 10" line.

Status: **Completed 2009**

#6 - 44th and Country Club

Project Description: Install three cross-connections between parallel 4" pipes on 44th.

Status: **Completed 2011**

#11 - Hidden Oaks

Project Description: Install Booster Pump Station - 2 pumps, 3hp- at intersection of Hidden Oaks and 19th (annexed into the City Limits).

Status: **Completed temporary pump station located on Range Road serving Hidden Oaks and Boulder Creek. Water2040**

*improvements replaced the need for pump station. It was demolished. **Completed 2020.***

#13 - Nottingham Tower and Pump Station

Project Description: Add 20 feet to standpipe and build new pump station at Cottonwood and 19th, 2 pumps - 200 GPM at 100ft of head (approx. 10hp). Shown as Item 3a in Proposed Water Utilities General Capital Projects.

*Status: The 44th Tower and Range BPS replaced Nottingham Tower and Pump Station. Nottingham Tower and Pump Station have been demolished. **Completed 2019.***

#14 - Karsten Area

Project Description: Extend waterline to Fire Academy to improve water quality - Install 400 LF of 6" line. Shown as Item 3f in Proposed Water Utilities General Capital Projects.

Status: The City will look at the system requirements in this area in its water quality study and master plan, currently in design.

#17 - Bilyeu Tower

Project Description: Take out of service and remove. Relocate to property on Vista Drive. Install 650 feet of 6" line to connect to system and altitude valve. Shown as Item 3g in Proposed Water Utilities General Capital Projects.

Status: Bilyeu Tower has been taken out of service, and will be removed. Water pressure on Vista Lane was addressed via Water 2040 improvements.

#18 - Range Road Pump Station

Project Description: Demolish

*Status: **Completed 2009***

#24 - School, Nottingham, Twin (2), Tan-Tar-A, Coyle Towers

Project Description: Remove altitude valves or install bypass so that tank floats on system.

*Status: **Completed 2012***

#25 - Redlands Rd between SH51 and Lakeview

Project Description: Cap off 2.5" near Redland/Airport, connect 2.5" going north to T of 4"/3", move 5 individual services to 4", move connects for 2.5" pipes on W 2nd and W Virginia to the 4" line. Shown as Item 3b in Proposed Water Utilities General Capital Projects.

*Status: **Completed 2012***

Phase 2 – Items to be completed July 1, 2011 thru June 30, 2015

#7 - Lakeview between Redland and Cottonwood

Project Description: Install ½ mile of 4" line on Lakeview to complete the loop.

Status: Delayed due to additional projects (ODOT projects and Yost Pump Station and Yost Tower).

#12 - Yost Booster Pump Station and School Tower

Project Description: Relocate and rebuild the pump station. It continues to flood during heavy rains. Add 20 feet to School Tower standpipe.

Status: Project currently in design phase. Pump station will be constructed at WTP and a new elevated storage tank will replace School and Reisbeck Towers. Yost Pump Station electric service was upgraded Fall 2023. Existing pump to be replaced in Early 2024. Construction of new Yost Pump Station will be at the Water Treatment Plant. Work may begin in January 2024 and complete in 2 years. The new Yost Pump Station will contain a new battery of higher pressure, higher flow pumps for the Yost area. The new transmission line from the WTP and a new elevated storage tower are in design, Dec. 2023.

#27 - 19th between Range and Country Club

Project Description: Connect dead ends with 600 LF of 3" line, including a creek crossing and bore under the road, install a flush hydrant.

*Status: Abandoned approximately 1 mile of small diameter water line and made connections between the rural and municipal systems to eliminate the dead end. **Completed 2010.***

#32 - Lakeview Rd between Country Club Rd and Range Rd

Project Description: Install about 5300 LF of 6" line to connect 8" line at Country Club Rd and 6" line at Range Rd.

Status: Delayed due to additional projects (ODOT projects and Yost Pump Station and Yost Tower).

Phase 3 – Items to be completed July 1, 2011 thru June 30, 2017

#8 - Sangre ½ mile north of 44th

Project Description: Install master meter to City system and ½ mile of 6" pipe between meter and 44th.

Status: To be reconsidered with Water2040 Package C Projects.

#9 - Karsten Road south of SH51

Project Description: Install 130 feet of 6" pipe to loop 3".

Status: Delayed due to additional projects (ODOT projects and Yost Pump Station and Yost Tower).

#10 - *Western between 56th and 44th*

Project Description: Install 1300 feet of 6" pipe to connect new tower at 56th to water line on Western.

Status: Completed as 18" water line in 2016.

#15 - *44th and Country Club - Boersma Pump Station*

Project Description: Add VFDs, controller and telemetry to Boersma Pump Station.

Status: Replaced the entire pump station in 2012.

#16 - *White Tower*

Project Description: Remove

Status: Completed 2017

#19 - OSU Pump Station

Project Description: Take out of service, install 7,600 feet of 4" pipe connected to OSU Farm with existing 2.5" pipe on 44th between Hackelman Rd and Karsten Creek Rd.

Status: Delayed due to additional projects (ODOT projects and Yost Pump Station and Yost Tower).

#20 - Booster Pump Stations

Project Description: Connect to WTP SCADA system to monitor

Status: SCADA installed at Boersma and Yost Pump Stations in 2012. Range and Nottingham stations will be demolished. Karsten, Hilltop and OSU stations delayed due to additional projects (ODOT projects and Yost Pump Station and Yost Tower). A future SCADA Master Plan is currently on the City's Capital project list and will address the SCADA needs for each site.

#21 - Eight Standpipes

Project Description: Install 8 foot security fence along perimeter of easement.

Status: Tan-Tar-A, Coyle, and Reisbeck are complete. School/Yost standpipe will be replaced with the Yost Tower Project. The Twin Towers was replaced with the 44th Tower. White tower was demolished in 2017. Nottingham Tower was demolished in 2020. Bilyeu standpipe will be demolished.

#22 - Eight Standpipes

Project Description: Add diffusers/mixing systems.

Status: Mixing system installed at Tan-Tar-A Tower in 2017. Mixing system for Coyle Standpipe is delayed pending trial period at Tan-Tar-A Tower. Reisbeck and Bilyeu standpipes will be demolished. Yost standpipe will be replaced with the Yost Tower project, which

will be designed with separate in/out feeds for effective mixing. Twin Towers was replaced with 44th Tower, which is designed with separate in/out feeds for effective mixing. Nottingham Tower was demolished in 2020.

#23 - Eight Standpipes

Project Description: Connect to WTP SCADA system to monitor

Status: Coyle and Tan-Tar-A SCADA is delayed due to additional projects (ODOT Projects and Yost Pump Station and Yost Tower). Reisbeck and Bilyeu Standpipes will be demolished. Yost standpipe will be replaced with the Yost Tower project, which will be connected to SCADA. Twin Towers will be demolished and replaced with 44th Tower, which will be connected to SCADA. Nottingham Tower was demolished in 2020. Bilyeu standpipe will be demolished.

#26 - *Country Club Rd between 6th and McElroy*

Project Description: Install 3500 LF of 6" line between end of City line on Country Club and RWC #3 line north of creek.

*Status: **Completed 2015***

#28 - *Woodlake Subdivision*

Project Description: Install 350 feet of fusible PVC along the dam to cross the lake.

*Status: **Completed 2012***

#29 - Karsten Creek, Hilltop Pump Station

Project Description: Install VFDs, controls and telemetry: add equipment to communicate with SCADA system at WTP.

Status: Karsten Creek Pump Station delayed due to additional projects (ODOT projects and Yost Pump Station and Yost Tower). Hilltop Pump Station to be demolished.

#30 - Tan-Tar-A Subdivision

Project Description: Install 1200 feet of 4" pipe to complete a loop to the Tan-Tar-A Subdivision.

Status: Delayed due to additional projects (ODOT projects and Yost Pump Station and Yost Tower).

#31 - Range Rd, Lakeview to Airport

Project Description: Connect dead end - Install 2900 feet of 6" pipe.

Status: Delayed due to additional projects (ODOT projects and Yost Pump Station and Yost Tower).

Additional Projects

A - ODOT Project - Harrington Creek Crossing on S.H. 51 East Bound Lane

Project Description: The bridge was replaced by ODOT and the water lines had to be moved per design.

*Status: **Completed 2012***

B - ODOT Project - Range and McElroy Bridge Replacement

Project Description: The bridge was replaced over Stillwater Creek and the intersection realigned by ODOT, which required the existing rural water lines to be replaced.

*Status: **Completed 2013***

C - Water2040 Program

Project Description: Upgrade the existing water systems (pumping, piping and storage) to improve service to municipal and rural system customers and allow for future development.

*Status: **Completed 2021***

D - Water2040 Program - Highway 51 and Country Club Road Water Pump Station and Transmission Water Line to Range Tower

Project Description: New pump station needed to replace the existing below ground pump station at the corner of Country Club Road and HWY51.

*Status: **Completed 2017***

E - ODOT Project - Phase 2 of the Modification of Country Club Road between McElroy and Lakeview

Project Description: Country Club Road was reconstructed by ODOT and the existing rural water main needed to be replaced.

*Status: **Completed 2016***

F - Hydrant Flushing Schedule

Project Description: Monthly flushing schedule created and posted on City website for public view.

*Status: **Completed 2016-Currently not done on a regular basis.***