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CLARK CAMERON State Circuit Rider cameron@ilrwa.org • 217-820-3814

BRANDON WINDELL Energy Efficiency Circuit Rider windell@ilrwa.org • 217-820-1560

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CHUCK WOODWORTH Circuit Rider ilrwacw@ilrwa.org • 217-820-1569

DAVE M^cMILLAN EPA Program Specialist mcmillan@ilrwa.org • 217-370-6485

JOHN BELL Wastewater Technician ilrwajb@ilrwa.org • 217-820-1568

JEFF MCCREADY Wastewater Technician mccready@ilrwa.org • 217-870-4754

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"Protecting and preserving the water and wastewater resources of Rural Illinois through education, representation and on-site technical assistance".

On the Cover:

This water tower picture was taken by Jeff McCready, IRWA Wastewater Technician in Stronghurst, Illinois.

Water Ways is the official publication of the Illinois Rural Water Association, P.O. Box 49, Taylorville, Illinois 62568, and is published quarterly for distribution to members as well as other industry associations and friends. Our website is <u>www.ilrwa.org</u>. Articles and photographs are encouraged. Advertising and submissions should be mailed to the above address or e-mail us at <u>ilrwadb@ilrwa.org</u>.





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Infrastructure Problems Hit Home

Our water and wastewater infrastructures are reaching a point of dire concern for many of our Illinois systems, as well as those across our nation. This has been, and will continue to be a primary issue for all of us that work in those fields, as it should be for Americans throughout the country.

In regards to water systems explicitly, it 'hits home' each time I hear or read about; and/or visually see major breaks on main transmission lines in systems that are supplying potable water to customers. One specific instance happened to me recently in the community where I live.

A few weeks ago, I was in my home town of Gibson City, and was coming up the road towards downtown, when I saw that the City crew, were in the midst of a major project along the street. I assumed, by what I saw, that it was some kind of main break or other related issue, which they were repairing... I assumed correctly. Now, understand...as it many times is when these things happen, this was on a Friday afternoon. Of course!

After parking my vehicle out of the way, I walked up to the area and began talking to one of the maintenance personnel to get an overall understanding as to what was going on, and what actions they had already taken thus far. The old 8 inch, sand cast iron line, was many decades old...and possibly over a hundred years in age. It had blown a hole in the pipe wall; and they had initially got a clamp over the affected area, but while doing so, the line developed an additional leak, as the pipe cracked...allowing even more water to escape. That being said, the pumps they had been using, were overwhelmed, and the hole began to fill with water. The concern of "losing" the tower(s) supply, began to be increase dramatically at that point... to say the least.

City Superintendent Randy Stauffer

by Don Craig, IRWA Deputy Director



had his crews go back on the system, to try to shut down the valves even more that they had already closed to a certain point, and to close more valves as needed. As with many communities, some of the valves were not able to be closed enough to effectively reduce the amount of water going through the affected line.

As I talked with one of the personnel about what valves were being used to isolate the area, he mentioned one valve that they couldn't find a block or so to the north. I told him that I remember

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Infrastructure Problems Hit Home

continued from page 4



using that valve in a major project we had completed many years before. (Understand, that I had previously worked for the City 35 years ago, as the Assistant City Superintendent.) Honestly, after that many years, even I was surprised that I was able to recall the location of the valve box, as I relayed that to crew. Anyway, I went up to that corner location with the others, and they were able to find the eight inch valve.

That was the good news. The bad news was, as they immediately started to valve it down, it stopped after only seven full turns..... and as many of you are already aware, that was roughly 20 turns short from closing it. Well, that turned out to be an unattainable goal for the hard working guys of Gibson's water department. They tried over and over to open, and then close the valve, to help break up debris buildup in the valve housing to hopefully gain more turns with each exercise. It was a slow, hard, and tedious process. But, after tough work, they were able to gain ten more full turns on the valve...and helped to reduce the flow downline at the break to a point that the three pumps they were using, were able to keep up to the level of at least not letting the water overflow the hole, but still not enough to uncover the affected pipe.

In the end, the town was finally able to secure a company to come in from Pontiac, to do a line-stop new

valve insertion, to drastically lower the excessive flow from the old main. However, after pumping down the water, they discovered that the pipe had split nearly three feet in length... which caused the need to cut out and replace a section of the line. To complicate that even further, the break(s) were close to a joint, so the crew had to cutout, remove, and replace approximately eight feet of pipeline. (Note the accompanying picture of the guys in the removal process to prepare for a section of new main insertion.) After several hours of hard work by the city crew, the repair was completed.

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Free Rate Studies

Hi, my name is Clark Cameron and I have worked for Illinois Rural Water Association for just over a year now and in that time I have had the opportunity to meet and be able to assist operators and communities from all over the state in finishing their service line material inventory report online. This was not the easiest of tasks as most of you operators out there reading this well know. What an experience it was trying to access the EPA portal when there was a change in operators, or the elusive username and password could not be located. But together we managed to get thru it and the mandatory reporting was finally uploaded.

My main job duties and focus at IRWA is to provide **FREE** rate studies to any community that would like to utilize our services. Whoa now, **FREE** you say, how can that be? Thanks to funding provided to Illinois Rural Water Association through the Illinois Environmental Protection Agency we can offer this service to all small towns

throughout Illinois ABSOLUTELY FREE.

You are probably thinking that it must be a real hassle to do, right? Well, you would be wrong – they are not difficult at all. It only requires a few details about your community's system such as current rates, number of customers, total gallons billed and a few more bits of information. Most of the information can be exchanged via email, text or fax. If that is too much trouble (lol), I will drive to your system and pick it up in person. I have a very simple 1-page form that I can send you to get us started on creating a rate study for tailored specifically for your system.

You might be asking yourself - what can a rate study do for our town? The answer is quite simple – A LOT! A completed study will show a very clear breakdown of all your expenses and revenues. It will show exactly where those revenues came from and where your rates should be based on current and future expenses. Sample rate adjustments



by Clark Cameron, IRWA State Circuit Rider



to both the base and consumption rates will be included that will clearly define what will happen to your "bottom line" as well as what will happen to your average user's monthly bill. It will hopefully increase awareness in both the Council Members and the general public on the expenses that are involved in operating and maintaining a healthy water system.

Awareness seems to be one of the main things lacking in most of the towns I have completed rate studies for. Most Council Members aren't fully aware of the dire financial problems that are present or looming in the future, let alone how to fix them. When a rate study is completed, a written report along with recommendations is presented to the system – preferably at a Council meeting.

If you are interested in a **FREE** rate study please contact me at <u>cameron@ilrwa.org</u> or 217-820-3814 (cell) or 217-287-2115(office). I will be glad to assist you in any way possible to ensure a strong financial future for the small towns of Illinois.

Video Inspection. Do you need one?

The spring of 2019 was historic on several fronts, but rainfall and flooding were two of the major ones. The extremely wet spring and major river flooding throughout the Midwest seemed to last forever and caused a lot of problems for operators at both the treatment plants and on the collection systems. There were some treatment plants that were completely flooded out and most collection systems experienced severe I&I issues during heavy rain events causing severe backups in homeowners basements.

Now we all know Illinois weather





has a habit of going from one extreme to the other and as some predicted, that's exactly what happened, we went to almost if not to drought conditions.

Now that the dry conditions are here, are you still getting customer complaints of backups in certain areas of your collection system? If you are I'm sure you do what most operators do, get out the jetter or call your local contactor with a jetter and clean the line. You run the jetter up the line, hit a hard spot with the jetter, turn up the pressure, break thru and have a good flow coming down the line. Problem solved right? The majority

> of the time this may be the case. But 4 weeks, 6 weeks, several months go by and you have the same customer complaint in the same area , now what do you do, jet again? It will probably solve the problem temporarily but you will more than likely have the same issue again in the future.

> Now may be the time for a video inspection. This past summer we have done video inspections on several systems and found the problem to be tree roots. When jetting your lines if your jetter does not have an attachment for removing roots, all you may be doing is poking

by Jeff McCeady, IRWA Wastewater Technician



a hole the size of your hose through the root mass (circle in the photo). The only way to determine that without digging it up is a video inspection. I'm not saying you might not have another problem such as a partial collapse or broken pipe which also can be found thru a video inspection.

If this is a problem your system is experiencing, contact Illinois Rural Water Association or a local contractor with video inspection equipment to take a look at your sanitary sewer lines to determine what your next course of action may be to resolve the issue, whether it be lining, grouting or replacement. You may never know if you don't take a look.

IRWA recently purchase a second push camera so that both Wastewater Tech's have one, making getting to your system quicker depending on our schedules. We can typically get 125' to 150' with a push camera depending on pipe size and cleanliness of the pipe. Give us a call, we're here to help. Keep up the good work and stay safe.

When is it Time to Retire?

Recently, I have retired and was fortunate enough to be a member of the Illinois Retirement Fund. While contemplating retiring, I got to thinking about how many of our members are in the IMRF. IMRF has more than 410,000 members and serves about 3,000 local units of government in Illinois. The IMRF is the second largest and **best** funded public pension system in Illinois. The IMRF is not funded by the state of Illinois but by members, employers and investments. Your IMRF benefits are based on your age, years of service and earnings. Under the IMRF plan, you will fall under either Tier 1 or Tier 2. Tier 1 member participation began prior to January 1, 2011 and Tier 2 member participation began on or after January 1, 2011.

To begin receiving an IMRF Tier 1plan pension, you must have at least 8 years of service credit, cannot be working in any position which qualifies for IMRF participation and must be at least 55 years old. Under Tier 1, your pension is increased by 3% of the original amount on January 1 every year after you retire. Annual increases are always based on the original pension amount and are not compounded. An optional pension will be available to all members who retire at age 62. You will choose between Option A or Option B. Under Option A (standard pension), you are paid a constant monthly benefit which is increased annually for

the duration of your retirement. Under Option B (optional pension), you are paid a higher monthly benefit until the age of 62. At age 62, your IMRF benefits are decreased. You might think it is better to wait until age 60 or 62 to start your IMRF pension but in most cases, you will end up losing money by waiting. IMRF urges you to apply for your pension now if you are an inactive Tier 1 member who is vested, at least 55 and not working for a reciprocal system. If you are between 55 and 60, your pension will be reduced since you are under the age of 60. However, you will receive more total payments by starting earlier. You will receive more money over time even with the reduced amount. The longer you wait, the more payments you will miss out on. If you are at least 60, you

have reached full IMRF retirement age. Your pension probably won't increase if you wait until age 62 or later.

IMRF offers retirement workshops around the state of Illinois at different times. A feature speaker from IMRF will address the steps you must take

by Jay Bell, District 4 Board Member



before and during the IMRF retirement application process. You can also schedule a 15 minute personal benefits review with an IMRF field representative or a 25 minute phone call. I recommend going to one of the workshops first then set up a one on one meeting with IMRF. All I can say is do your homework – visit <u>www.imrf.org</u> or call 1-800-275-4673 if you have any questions.



HVAC Air Filter Maintenance

by Brandon Windell, IRWA Energy Efficiency Circuit Rider



October is here, and that means our Illinois roads and fields will be filled with farmers harvesting crops. Unfortunately, this also means the grain dust will fill the air. The results create more work in the form of dusting our homes as well as more folks suffering from allergies. Fortunately, air filters are an effective and relatively inexpensive way to help combat the effects of harvest dust in the air.

Energy Star recommends that filters be checked every month and clean or change them at least every 3 months. Filters must be changed more often if the unit is used heavily or if the building is dusty. A dirty filter will slow down air flow and make the system work harder to keep the building comfortable and increase energy use by 5% to 15%. A clean filter will also prevent dust and dirt from building up in the system, which can lead to expensive maintenance or early system failure.

The higher the filter's minimum efficiency reporting value (MERV) rating, the more pollutants it will remove from the air, but the harder the air handler will

the filter according manufacturer's recommendations, to otherwise air quality and air flow can be impaired. Do NOT use filters above MERV 12 unless the HVAC equipment is designed for heavy filtration. A cheap but effective way to keep track of the filter maintenance is to have a "filter log" on the air handler so that employees know at a glance when the filter was last cleaned or changed. Not only should you do this preventative maintenance at your work facilities but be sure to do the same with your home HVAC system.

have to work to move air through the filter. A MERV of at least 5 is recommended. If a filter with a MERV from 9 to 12 is being used, clean or replace



er is running but no heat is coming out, start with replacing the filter. When using a dirty filter, the cost isn't just hitting your pocketbook. Your health is at stake as well. Your air filter is meant to keep harmful contaminants from you and your family or coworkers. If you do not change them in a timely manner you risk headaches, fatigue, coughing, sneezing, and other health conditions not to mention a dirtier home or workplace.

Dirty filters are the most common

cause of furnace problems. Clogged filters restrict airflow which can cause the heat exchanger to overheat and shut off too quickly, and your house will not heat up to the desired temperature. If the blow-



Per-and Polyfluoraoalkyl Substances: The Facts

NRWA is gathering information across the country to see how many water systems have been affected or have growing concerns about Per- and polyfluoroalkyl substances (PFAS).

What is PFAS?

PFAS are a group of man-made chemicals that includes PFOA, PFOS, GenX, and many other chemicals. PFAS have been manufactured and used in a variety of industries around the globe, including in the United States since the 1940s. PFOA and PFOS have been the most extensively produced and studied of these chemicals. Both chemicals are very



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persistent in the environment and in the human body – meaning they don't break down and they can accumulate over time. There is evidence that exposure to PFAS can lead to adverse human health effects.

What are the possible health effects?

Studies have shown an association between increased PFOA and PFOS blood levels and an increased risk for several health effects, including effects on the liver and the immune system, high cholesterol, high blood pressure, thyroid disorders, pregnancy-induced hypertension and preeclampsia, and

> cancer (testicular and kidney). Where can

PFAS be found?

PFAS may be in drinking water, food, indoor dust, some consumer products, and workplaces. Blood serum concentrations of PFASs are higher in workers and individuals living near facilities that use or produce PFASs than for the general population.

by Carol Booth, Media & Communications, National Rural Water Association

Pathways of exposure include ingestion of food and water, use of consumer products or inhalation of PFAScontaining particulate matter (e.g., soils and dust) or vapor phase precursors.

What is being done?

On October 10, 2008, the U.S. Environmental Protection Agency (USEPA) announced a negative regulatory determination for perchlorate in accordance with the SDWA, "*The Agency determined that a national primary drinking water regulation* (*NPDWR*) for perchlorate would not present a meaningful opportunity for *health risk reduction for persons served by public water systems.*"

USEPA revised this determination on February 2011 with an affirmative conclusion. "EPA has determined that perchlorate meets SDWA's criteria for regulating a contaminant -- that is, perchlorate may have an adverse effect on the health of persons; perchlorate is known to occur or there is a substantial likelihood that perchlorate will occur in public water systems with a frequency and at levels of public health concern; and in the sole judgment of the Administrator, regulation of perchlorate in drinking water systems presents a meaningful opportunity for health risk reduction for persons served by public water systems. Therefore, EPA

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2019 IRWA Golf Outing

The 2019 IRWA Golf Outing was held on Friday, August 23, 2019 at Piper Glen Golf Course in Springfield, Illinois. It was yet another year of perfect weather. Thank you to the 116 golfers that participated and a huge thank you to the following golf outing sponsors:

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Per-and Polyfluoraoalkyl Substances: The Facts

will initiate the process of proposing a national primary drinking water regulation (NPDWR) for perchlorate." Eight years later, USEPA announced a PFAS Action Plan to respond to the public interest and utilized information received. This represents the first time EPA has built a multi-media, multiprogram, national communication and research plan to address an emerging environmental challenge like PFAS.

EPA's Action Plan identifies both short-term solutions for addressing these chemicals and long-term strategies that will help provide the tools and technologies that states, tribes and local communities need to provide clean and safe drinking water to their residents and to address PFAS at the source—including before it gets into the drinking water.

The USEPA Action Plan includes:

• Drinking water: EPA is moving forward with the maximum contaminant level (MCL)

process outlined in the Safe Drinking Water Act for PFOA and PFOS—two of the most well-known and prevalent PFAS chemicals. By the end of this year, EPA will propose a regulatory determination, which is the next step in the Safe Drinking Water Act process for establishing an MCL.

Clean up: EPA has already
begun the regulatory
development process for listing
PFOA and PFOS as hazardous
substances and will issue
interim groundwater cleanup
recommendations for sites
contaminated with PFOA and
PFOS. This important work
will provide additional tools
to help states and communities
address existing contamination
and enhance the ability to hold

continued from page 10

responsible parties accountable.

- Enforcement: EPA will use available enforcement tools to address PFAS exposure in the environment and assist states in enforcement activities.
- Monitoring: EPA will propose to include PFAS in nationwide drinking water monitoring under the next Unregulated Contaminant Monitoring Program. The agency will also consider PFAS chemicals for listing in the Toxics Release Inventory to help the agency identify where these chemicals are being released.
- Research: EPA will develop new analytical methods so that more PFAS chemicals can be detected in drinking water, in soil, and in

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Per-and Polyfluoraoalkyl Substances: The Facts

groundwater. These efforts will improve our ability to monitor and assess potential risks. EPA's research efforts also include developing new technologies and treatment options to remove PFAS from drinking water at contaminated sites.

 Risk Communications: EPA will work across the agency—and the federal government to develop a PFAS risk communication toolbox that includes materials that states, tribes, and local partners can use to effectively communicate with the public.

 Together, these efforts will help EPA and its partners identify and better understand PFAS contaminants generally, clean up current PFAS contamination, prevent future contamination, and effectively communicate risk with the public. To implement the Action Plan, EPA will continue to work in close coordination with multiple entities, including other federal agencies, states, tribes, local continued from page 16

governments, water utilities, industry, and the public.

In April 2019, a key component of the Action Plan, a draft interim guidance for addressing groundwater contaminated with perfluorooctanoic acid (PFOA) and/ or perfluorooctane sulfonate (PFOS), was released for public review and comment.

A month later, USEPA released the pre-publication version of the proposed perchlorate drinking water regulation. USEPA asked for comments on a proposed Maximum Contaminant Level (MCL) and Maximum Contaminant Level Goal (MCLG) of 56 micrograms

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Top 5 facts you should know

1. PFASs are persistent in the environment, meaning they are resistant to typical environmental degradation. Water providers suffer significant operation and maintenance costs because these chemicals never degrade, making it harder to get them out of the water systems.

2. Blood serum concentrations of PFASs are higher in workers and individuals living near facilities that use or produce PFASs than for the general population. Pathways of exposure include ingestion of food and water, use of consumer products or inhalation of PFAScontaining particulate matter (e.g., soils and dust) or vapor phase precursors.

3. Studies have shown an association between

increased PFOA and PFOS blood levels and an increased risk for several health effects, including effects on the liver and the immune system, high cholesterol, high blood pressure, thyroid disorders, pregnancy-induced hypertension and preeclampsia, and cancer (testicular and kidney).

4. During manufacturing processes, PFASs are released to the air, water and soil in and around manufacturing facilities. Recently, PFOS and PFOA contamination has also been observed in facilities using PFAS products to manufacture other products (secondary manufacturing facilities).

5. PFAS has been detected in surface water and sediment downstream of production facilities and in wastewater treatment plant effluent, sewage sludge.

Per-and Polyfluoraoalkyl Substances: The Facts

per liter. In addition, the Agency is seeking comment on three alternative regulatory options: an MCL and MCLG for perchlorate set at 18 micrograms per liter, an MCL and MCLG for perchlorate set at 90 micrograms per liter, and withdrawal of the Agency's determination to regulate perchlorate.

The rule denies any opportunity for a small community "variance," which is a compliance option authorized in the Safe Drinking Water Act that allows a small community that exceeds the MCL at a level that presents no harm to the public to have access to an affordable compliance option. NRWA had asked EPA to clarify the "intelligible principle" used by the Agency in implementing the decision to select perchlorate as a regulation. The proposal does not include any articulated "intelligible principle" for how EPA decided to select perchlorate for regulation. The proposed rule does not explain what principle EPA relied on to determine how to select perchlorate for a SDWA regulation.

What you can do now?

NRWA is bringing together utility systems from across the country that have concerns or have been affected by PFAS contamination. NRWA has set up a page

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on its website, NRWA.org/initiatives/ PFAS, for systems to enter their information. This information will allow NRWA to arrange a free evaluation of the system and provide more details about efforts to recover costs for remediation and treatment from PFAS contamination.

Visit nrwa.org/initiatives/pfas/ to learn more and be a part of future efforts to recoup costs from PFAS contamination.

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ESSLER

Infrastructure Problems Hit Home

Now, I fully understand, that this type of situation occurs daily in systems everywhere, but that doesn't lessen the need for public water systems and communities they serve, to fully understand and 'take in' the continued scope of what is happening because of aging infrastructures. These systems were not made to last forever...and that is becoming more evident with each passing year. As operators and others know, these issues will not 'heal' themselves. Awareness and education of the problems we are experiencing with all of these utility infrastructures, and others... and the direction needed to combat and alleviate those, is a mission that all of us need to continue to bring to light.

Please do not hesitate to contact any of our IRWA field personnel, as to possible funding resolutions and/or assistance to help your infrastructure issues. Oh, one final note, it's hard for people to understand, just how much I wanted to hop down in that hole to help those local guys with a situation

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I used to deal with hands on, and have seen throughout the years with IRWA... but, age and my new hip put a stop to that desire pretty quickly! All of those hard workers in that incident at Gibson City, and all of those ones dealing with similar situations every day in systems throughout the state and the nation, through all kinds of adversities... deserve much more credit and thanks, than they typically get!





CHRYSLER GROUP FLEET PROGRAM



The National Rural Water Association and the Chrysler Group have created a partnership to offer a Volume Incentive Program (VIP) to State Rural Water Associations and their utility system members. This partnership combines the buying power of 31,000 individual utilities to provide reduced fleet pricing on utility vehicles. You will have access to special fleet benefits as a preferred Chrysler Group customer.

The Rural Water Fleet Program is a valuable member benefit for water and wastewater utilities. State Rural Water Associations determine eligibility for their members, and provide a fleet code that allows access to substantial vehicle discounts to fill the need for reliable work vehicles. Fleet vehicles must be registered in the name of a member water or wastewater system.

Member utilities should contact their State Rural Water Association to access the Rural Water Fleet Program. Vehicles may be purchased at your local dealer or through the national fleet auto group, details are online at: www.nrwafleet.com. Incentive discount pricing is available on Jeep SUVs and Ram trucks. Systems can save up to \$7,500 off factory invoice per vehicle. Happy shopping!

2019 Program Details:

- Limited to water/wastewater utilities that are current members of a State Rural Water Association
- There is no limit to the number of vehicles that can be purchased under the program
- Incentive pricing is deducted off the factory invoice
- Fleet vehicles must be in service for a minimum of 12 months or 12,000 miles
- Vehicles must be registered and operated in the United States
- Call your State Association today to get your Fleet Account Number (FAN)



Eligible Vehicles	Incentive
Ram 1500 Quad/Crew	\$6500
Ram 1500 Regular Cab	\$4000
Ram 2500 Crew/Mega	\$7500
Ram 2500 Regular Cab	\$5500
Ram 3500 Reg Cab	\$5500
Ram 3500 Crew/Mega	\$6500
Ram 4500 & 5500	\$3000
Ram Promaster 1500 Cargo Van	\$6000
Ram Promaster City Cargo Van	\$4500
Jeep Patriot	\$4500

*Example incentives only.

Many other option or powertrain items can be utilized under the VIP program.

2019 Fall Admin Conference Wrap Up

Membership Services Assistant We have just completed our 7th Annual Fall Administrative Conference in East Peoria. The results of a survey sent out earlier this year showed that of the ones who completed the survey preferred September to November for the fall conference. We do listen to what our attendees have to say and try to accommodate when we can so, we moved it up a couple months.

This year 14 attendees took part in the day and a half of training. We learned

about how a water plant works, record retention, Ameren efficiency programs, customer service, IMRF, electrical energy savings with solar, Excel shortcuts, contractual liability and risk transfer and both meter reading and work order software.

We would love to have more of you attend these administrative conferences! Is there a topic that you would like to hear? What month/week is better? Whether you have attended before or not – I welcome your input. You may call me

DON'T LET THE WEATHER CHANGING



IRWA Membership Services Assistant

by Heather McLeod,

at 217-287-2115 or just send me a quick suggestion via e-mail: ilrwahm@ilrwa. org.



Tap Water vs. Bottled Water continued from page 23 LIKE US ON facebook. Find us under Illinois Rural Water Association Made in the USA! Look to Ford Meter Box for U.S. Manufactured Products www.fordmeterbox.com/usa 260-563-3171 Contact Ford Meter Box for AIS and Buy America compliant products

GPS/GIS MAPPING SERVICES



Through the implementation of GPS & GIS technology, IRWA can effectively produce hard copy and digital maps. With this service available from IRWA, utilities can attain new and accurate maps to better manage their water, wastewater and storm sewer assets.

The printed maps can be large-scale wall maps up to 36"x48" showing utility features with the desired layers (aerial photos, streets, topography, etc.).

The digital map file on a CD, can be accessed with free software that IRWA will provide and install on a utility computer. The program allows you to view, print and click on system features (such as a valve, hydrant, meter pit, curb stop, manhole, lift station, treatment facility, etc.) and pull up attribute data about each. As well as several other capabilities such as printing, zooming, etc.

IRWA has a working relationship with DiamondMaps.com, to put your IRWA project maps on their server, for mobile viewing with a smartphone or cellular capable tablet - including editing capability. This is at no extra charge to the system for the first year's subscription. Continuance of the Diamond Maps service after the first year is at the utility's discretion.

Payment for services is a set charge per feature, with IRWA members receiving an automatic 30% discount, and even more of a reduction with bigger projects.

For more information, you may download a brochure from IRWA's website: www.ilrwa.org/Equipment/Asset_Mapping.html or contact Don Craig by phone: 217-561-1061 or e-mail: craig@ilrwa.org

VIDEO INSPECTION SERVICES

Video inspection technology can help you identify and prioritize maintenance issues, while improving service and reducing emergency maintenance costs.



IRWA is excited to introduce our new Video Inspection Service to our members. The normal fee for this service is \$350.00 for small projects, larger projects requiring more than 1 day will be based on cost per foot.

A contract must be signed in advance of the inspection. Upon completion, your system will be invoiced for the services and will also receive a detailed report including diagrams of the inspection features, and a DVD for your references.

For more information, or to schedule an inspection of your system, please call our office at 217-287-2115 or visit our website: www.ilrwa.org



FORD FLEET PROGRAM





2019 Program Details:

- Limited to water/wastewater utilities that are current members of a State Rural Water Association
- There is no limit to the number of vehicles that can be purchased under the program
- Incentive pricing is deducted off the factory invoice
- Fleet vehicles must be in service for a minimum of 12 months or 20,000 miles
- Vehicles must be registered and operated in the 50 United States
- Call your State Association today to get your Fleet Identification Number (FIN)

The National Rural Water Association and the Ford Motor Company have created a partnership to offer special fleet discounts to State Rural Water Associations and their utility system members. This partnership combines the buying power of 31,000 individual utilities to provide reduced fleet pricing on utility vehicles. The Ford Fleet Team is #1 in commercial fleet customer satisfaction according to surveys. The Rural Water Ford Fleet Program is a valuable member benefit for water and wastewater utilities. State Rural Water Associations determine eligibility for their members, and provide a fleet code that allows access to substantial vehicle discounts to fill the need for reliable work vehicles. Fleet vehicles must be registered in the name of a member water or wastewater system.

Member utilities should contact their State Rural Water Association to access the Rural Water Ford Fleet Program. Vehicles may be purchased at your local dealer or through the national fleet auto group, get all the details you need online at: www.nrwafleet.com. Incentive discount pricing is available on fuel efficient cars, vans, SUVs and trucks. Systems can save up to \$5800 off factory invoice per vehicle. Happy shopping!

Eligible Vehicles	Incentive
Fusion (Excludes Hybrid & Energi)	\$2000
Taurus (Excludes Police Int)	\$3300
Econoline	\$4500
Edge	\$2500
Escape	\$1800
Expedition	\$4000
Explorer (Excludes Police Int)	\$2700
F-Series Super Duty F250-F550	\$5800
F150 (Excludes Raptor)	\$5500
F150 4X2 Reg Cab	\$4500
Transit	\$3700
Transit Connect	\$2100



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