



**AGENDA  
CITY OF HARRISONVILLE  
PUBLIC WORKS COMMITTEE  
REGULAR MEETING  
CITY HALL  
AUGUST 7, 2018  
6:00 PM**

- I. Call to Order**
  - 1. Roll Call**
- II. Approval of Minutes**
  - 1. Public Works Committee - Regular Meeting - Jun 5, 2018 6:00 PM**
- III. Agenda Items**
  - 1. Automatic Meter Reading**
- IV. Stormwater Issues**
- V. Public Works Project Updates**
- VI. Airport Reports**
  - 1. July 2018 Airport Report**
- VII. General Discussion**
- VIII. Adjourn**

**Posted on City Hall Bulletin Board this 2<sup>nd</sup> day of August, 2018**

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**Randall K. Jones, City Clerk**

**The Board of Aldermen meeting is an open meeting but is not a meeting of the public. There is a place on the agenda for comments of citizens under PUBLIC PARTICIPATION. Our rule is that comments by any individual or group shall not exceed (4) minutes. The Board of Aldermen request that concerns be initially addressed at the appropriate action level before coming to the Board of Alderman**



**DRAFT**  
**MINUTES**  
**CITY OF HARRISONVILLE**  
**PUBLIC WORKS COMMITTEE**  
**REGULAR MEETING**  
**CITY HALL**  
**JUNE 5, 2018**  
**6:00 PM**

**I. Call to Order**

The meeting was called to order at 6:00 PM by Chair Brian Hasek

Attendee Name	Organization	Title	Status	Arrived
David Dickerson	Harrisonville	Member	Absent	
Matt Turner	Harrisonville	Member	Present	
Brian Hasek	Harrisonville	Chair	Present	
Clint Long	Harrisonville	Member	Present	6:25 PM
Brad Bockelman	Harrisonville	Member	Present	

*Also present were approximately 15 residents of the City and Cass County; Dennis Minich, Tribune; Alderwoman Judy Bowman; Happy Welch, City Administrator; Eric Patterson, Public Works Director; Rodney Jacobs, Street Superintendent; James Green, Airport Manager; April Clark, Administrative Assistant for Public Works*

**II. Approval of Minutes**

**1. Public Works Committee - Regular Meeting - May 1, 2018 7:00 PM**

*With no additions or corrections, the May 1, 2018, minutes were approved as written.*

<b>RESULT:</b>	<b>ACCEPTED [UNANIMOUS]</b>
<b>MOVER:</b>	Matt Turner, Member
<b>SECONDER:</b>	Brad Bockelman, Member
<b>AYES:</b>	Matt Turner, Brian Hasek, Clint Long, Brad Bockelman
<b>ABSENT:</b>	David Dickerson

**III. General Discussion**

**1. Lake Harrisonville Boat Ramp**

*Mayor Hasek amended the agenda to move the Lake Harrisonville Boat Ramp to the top of the agenda. There was discussion about adding gravel to the hole in the bottom of the ramp. It was stated that coffer dams are difficult to locate. Mayor Hasek said since the main concern is the hole at the bottom of the ramp, the temporary fix is to fill the hole with gravel and continue to monitor it daily. Public Works Director Eric Patterson said the*

*Lake Caretaker will be the one to monitor and fill in the hole with gravel as needed. It's likely that the gravel will need to be filled every other day.*

*Mayor Hasek said this could allow us to open the ramp back up until we can decide on a permanent fix. The lake level is dependent on how much rain we get, so we can't count on it being low.*

*Alderman Turner asked if we fill the hold with gravel and maintain it, would we be able to go ahead and open the ramp. Alderman Bockelman asked when we could open the ramp. Director Patterson said he thought it could be open as early as Friday, weather permitting.*

*Alderman Turner said the ramp was initially closed down due to a complaint. Mayor Hasek confirmed that there were complaints about the hole and exposed rebar in the ramp, and the safety concern. Alderman Turner asked who can put a boat on the lake. Mayor Hasek said any Cass County resident can with a permit they obtain from the City. Alderman Turner asked if the size of the motor is limited. Mayor Hasek said yes.*

*Several residents that were present offered up other options to repair the ramp. Mayor Hasek said that we would see how the gravel work for now. Jim Proctor said that before the concrete ramp was put in, they put 2" rock down for a temporary ramp. That worked fine until the concrete ramp was complete.*

*Mayor Hasek said that notice would be posted on the City's website and FaceBook page when the ramp was open.*

*Alderman Bockelman asked what size of rock we would use to fill the hole. Director Patterson said it can't be too big since the hole is shallow, so it will likely be 2"-3" rock.*

**RESULT: DISCUSSION**

**IV. Agenda Items**

**1. 2018 Asphalt Program**

*Street Superintendent Rodney Jacobs reviewed the roads to be repaired in the 2018 program and provided a list of bidders. He explained the recommendation of streets to be milled and overlaid and the streets to have the additional slurry sealing. The low bidder will be Wil-Pave for the milling and overlay, and Vance Brothers for the slurry seal.*

*Alderman Matt Turner made a motion to move the recommendation to the Board of Aldermen. Alderman Brad Bockelman seconded the motion. The motion passed.*

**RESULT: APPROVED [UNANIMOUS]**  
**MOVER:** Matt Turner, Member  
**SECONDER:** Brad Bockelman, Member  
**AYES:** Matt Turner, Brian Hasek, Clint Long, Brad Bockelman  
**ABSENT:** David Dickerson

Minutes Acceptance: Minutes of Jun 5, 2018 6:00 PM (Approval of Minutes)

**V. Stormwater Issues**

There were no issues.

**VI. Airport Reports****1. May 2018 Airport Report**

*Airport Manager James Green presented the report. He said the new beacon was set this morning and should be operational next week. He also reported that the airport is required to select an airport consultant, who will be selected next week.*

<b>RESULT:</b>	<b>DISCUSSION</b>
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**VII. Agenda Item****1. North Lake**

*City Administrator Happy Welch gave a report of the issue/concerns he has heard from residents. North Lake has been a recreational lake for many years. The City owns two parcels the lake is on. We also have a police shooting range and a trap shooting area there as well. City Administrator Welch said the contract with the Missouri Department of Conservation expires this year.*

*Director Patterson said if we do nothing by September, the contract automatically renews. He said that the residents that live by the lake complain about the overgrowth. He said the first step would be to notify the Conservation Department and then pull out the bathrooms. He said the Water Department mows, cleans the bathrooms, and removes trash and debris from the property.*

*Alderman Turner said there would be a cost for surveying, removing the bathrooms, and the general cost of selling the property.*

*City Administrator Welch said the City would be selling approximately 85-90 acres, only keeping the area for the shooting ranges. Director Patterson asked that this Committee recommend not renewing the contract with the Missouri Department of Conservation to the Board.*

*Alderman Matt Turner made a motion to recommend the request to the Board. Alderman Brad Bockelman seconded. The motion passed.*

<b>RESULT:</b>	<b>RECOMMENDED FOR BOARD APPROVAL [UNANIMOUS]</b>
<b>MOVER:</b>	Matt Turner, Member
<b>SECONDER:</b>	Brad Bockelman, Member
<b>AYES:</b>	Matt Turner, Brian Hasek, Clint Long, Brad Bockelman
<b>ABSENT:</b>	David Dickerson

**VIII. Adjourn**

Alderman Matt Turner made a motion to adjourn and Alderman Clint Long seconded. The motion carried and the meeting was adjourned at 6:45 PM.

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Brian Hasek, Mayor & Ex-Officio  
Chairman of the Board of Aldermen

ATTEST:

\_\_\_\_\_  
Randall K. Jones, City Clerk

Minutes Acceptance: Minutes of Jun 5, 2018 6:00 PM (Approval of Minutes)



# Enhancing Customer Service and Utility Efficiency with Smart Water Networks



# The solution to manage your entire smart water program.



Intelligence meets infrastructure with the Mi.Net® system, the comprehensive data gathering solution for water utilities from Mueller Systems. An open standards-based system, the Mi.Net system manages your entire smart water program with an innovative and advanced network solution that enables you to implement existing and future smart technologies.



Attachment: Mi.Net-Brochure-2017-web (Automatic Meter Reading)



# Smart capabilities that evolve with your needs.

- **True two-way, command and control functionality**
- **Industry-leading, long-range capability featuring licensed and unlicensed frequencies**
- **Easily migrate from a drive-by to fixed AMI system**
- **Designed to meet the needs of any size utility, geography, and budget**
- **Network, meters, sensors, control devices and leak detection all provided by Mueller**

The Mi.Net system links service connections, distribution sensors, and control devices in a technology ecosystem for real-time access and control. This smart solution provides the ultimate in cost-effective scalability that enables your utility to add advanced capabilities to your network as your smart city program evolves — and new technologies that generate additional revenue streams as they become available.

The Mi.Net system is designed to LoRa open architecture standards that enables data to travel faster and further, while communicating with more devices.



# Manage water connections remotely.



Attachment: Mi.Net-Brochure-2017-web (Automatic Meter Reading)



# Reduce OPEX costs and control usage at each customer site with a proven remote-disconnect meter.

Whether you have a fixed network or a migratable drive-by solution, Mueller Systems' 420 RDM (remote disconnect meter) enables your crews to connect and disconnect water services from the safety and security of your office or vehicles. Especially helpful if you have high account turnover, the 420 RDM protects employees, lowers labor and operational costs, reduces your carbon footprint, and shortens wait-times for better customer service. With more than five years of operational experience on the Mi.Net network, the 420 RDM is a tested and proven smart-city solution.



- Improve customer service
- Reduce truck rolls
- Increase employee safety
- Improve cash flow



Attachment: Mi.Net-Brochure-2017-web (Automatic Meter Reading)

# Fixed leak detection for distribution mains.



Attachment: Mi.Net-Brochure-2017-web (Automatic Meter Reading)



# Automatically detect leaks to prioritize repairs and reduce OPEX spending.

The *EchoShore*®-DX leak detection platform incorporates the latest generation of acoustic sensors to transform your existing field assets into a smart water network. A proven leak detection technology, the *EchoShore*-DX platform has been successfully deployed on virtually every type of pipe material, and operates seamlessly over a Mi.Net or cellular network. The acoustic technology is built into a standard fire hydrant pumper nozzle cap, maintaining a stealth appearance. *EchoShore*-DX technology enables you to find leaks sooner, monitor leak progression, assign field crews based on actual leak criticality, and become proactive with your pipe repair program.



- Water loss reduction
- Leak management
- Aging pipe infrastructure management
- Customer service improvement



# Deliver enhanced services through a customer portal.



Attachment: Mi.Net-Brochure-2017-web (Automatic Meter Reading)

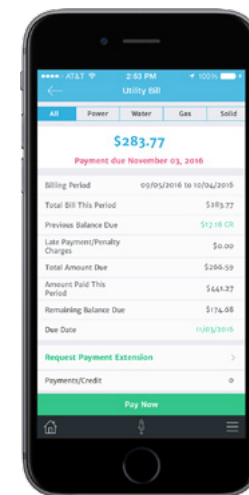
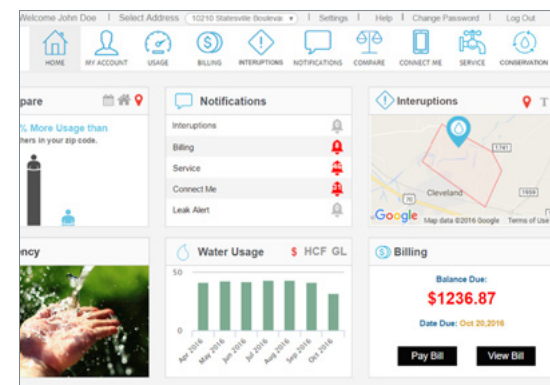


# Strengthen the relationship between your utility and your customer — the smart way.

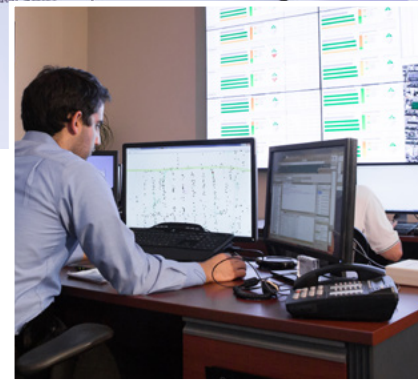
The Mi.Net data portal improves your service and conservation efforts by providing customers an online view of their water usage using a personal computer or mobile app. The interactive portal graphically presents real-time and historical usage data collected by the Mi.Net system, enabling customers to:

- **Simplify billing processes**
- **Enable customer pre-payment**
- **Monitor water usage**
- **Compare current usage to previous periods**
- **Configure individual alerts**
- **Set budget and water conservation goals**
- **Estimate usage costs before receiving a monthly bill**
- **Identify inconsistencies that may indicate the presence of leaks**

Customize your portal with images and logos to reinforce your brand and location. Promote conservation efforts by posting articles and videos that educate customers how to change consumption habits to meet usage or budget goals.



Attachment: Mi.Net-Brochure-2017-web (Automatic Meter Reading)



Attachment: Mi.Net-Brochure-2017-web (Automatic Meter Reading)

# Network Operations Center. Maximize your smart city investment.

The Mueller Systems Network Operations Center (NOC) based in the United States monitors water infrastructure for utilities across North America. The NOC is staffed by highly skilled analysts, each responsible for a specific group of Mi.Net customers. Proactively monitoring real-time network performance on the NOC's nine-foot-high command screen, our analysts immediately alert you if they detect an anomaly — enabling quick resolutions to problems, and a highly optimized network. Freeing your utility staff from monitoring network data enables focusing on your core utility activities, improving your infrastructure efficiency, and boosting your return on investment.

**Mueller Systems enables you to tackle tough water utility challenges with the confidence of knowing that a stable, long-term partner is supporting your smart city efforts — every step of the way.**



# LoRa Alliance.

## Moving smart cities forward.

Leveraging Internet of Things (IoT) technologies, municipalities are transforming their water networks into open standards-based systems, improving service offered to customers, and enhancing the connectivity of a wide range of city services.

As a member of the LoRa Alliance, Mueller Systems is bringing IoT technology to water infrastructure through the Mi.Net® system. Other members of the alliance include multi-national telecommunication companies, equipment manufacturers, system integrators, sensor manufacturers, and entrepreneurial start-ups.



The Mi.Net system employs LoRa technology. LoRa, short for “low power, long range,” is an RF modulation technique that offers high-power transmissions and increased range over traditional systems with lower battery usage.

# Your partner for smart city solutions.

Mueller Systems is part of Muller Water Products, Inc., a supplier of leading solutions for smart city infrastructure that is exclusively focused on the needs of water utilities, offering AMI, leak detection, remote shutoff, automated flushing, pressure management, pipe condition assessment, and more. Mueller Systems is driving the development of technologies that incorporate sensor-based data gathering and next-generation networking capabilities. Mueller Systems enables you to tackle tough water utility challenges with the confidence of knowing that a stable, long-term partner is supporting your smart city efforts — every step of the way.

Find out how Mueller Systems can help you by calling 800-323-8584 or visiting [www.muellersystems.com](http://www.muellersystems.com).



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## LAWRENCE SMITH MEMORIAL AIRPORT REPORT

For the month of July 2018

### Hangar and Tie Down Space:

- All hangars are full, 22 people on the waiting list
- 6 Outside tie-down spots available

### Fuel:

- Potential jet fuel sales – approx. 350 gallons
- 100LL – our current price is \$4.60 per gallon
- Fuel prices in our service area:
 

Lee’s Summit	\$4.61 per gal.
Butler	\$4.53 per gal.
Clinton	\$4.40 per gal.
Warrensburg	\$4.29 per gal.
Ottawa	\$4.62 per gal.

### AVGAS Sales: (June 28<sup>th</sup> through August 1<sup>st</sup>, 2018)

- Price \$4.25-\$4.60 per gallon
- Gallons Sold 1,845 gallons
- Revenue \$8,034.57
- Profit \$1,239.25

### South Hangar Taxi-lane Rehabilitation Project:

Now that the consultant selection process is complete our consultants, H.W. Lochner Inc., has been drafting a design and construction services agreement for this project. This project will rehabilitate the south hangar taxi-lanes which will replace the current asphalt surface and improve the pavement base to accommodate the traffic the airport was designed for. This project will also relocate the connecting taxiway to provide sufficient distance from the main hangar where it connects to the ramp area. The agreement will be presented to the Board of Aldermen at the August 20<sup>th</sup> meeting.

### Trees:

Trees located to the south of airport are encroaching on the approach to the runway and need to be removed. These trees have been planned to be removed in the future before they become a problem, but the Federal Aviation Administration is in the process of redefining all the airspace procedures and the approach corridor levels are being reduced which has bumped up the timeline for removing these obstacles. This project qualifies for federal funding using our Annual Entitlement Funds but with the use of federal money comes the increased cost of conforming to federal project guidelines which will increase the cost of the project significantly, but the city will only pay a 10% local match. City staff is investigating the cost to remove the obstacles using only local funding, so the Annual Entitlement Funds can be used elsewhere.

### Main Hangar Roof:

The main hangar roof has been leaking for quite some time and is getting worse as time goes on. During the 2017 budget year the repair was put out to bid and the bids/cost estimates received were almost twice the cost of what was saved so the project was postponed. City staff is requesting the appropriate funding for the 2019 budget year to repair the roof.