

AGENDA

A MEETING OF THE MUNICIPAL SERVICES COMMITTEE TO BE HELD ON MONDAY, OCTOBER 26, 2020, AT 5:30 P.M. AT THE VILLAGE HALL, 835 MIDWAY DRIVE, IN THE VILLAGE OF WILLOWBROOK, DUPAGE COUNTY, ILLINOIS

DUE TO THE COVID 19 PANDEMIC THE VILLAGE WILL BE UTILIZING A CONFERENCE CALL FOR THIS MEETING.

THE PUBLIC CAN UTILIZE THE FOLLOWING CALL IN NUMBER:

Dial in Phone Number: 630-920-2488

Code: 012153#

Written Public Comments Can Be Submitted By 5:15 pm on October 26, 2020 to mmertens@willowbrook.il.us

1. CALL TO ORDER
2. ROLL CALL
3. APPROVAL OF MINUTES:
 - a. September 28, 2020 Meeting of the Municipal Services Committee
4. Discuss Snow Removal Contractor Proposals for FY 2020/21
5. Discuss Alcara Water System Software Updates
6. SUPERINTENDENT OF PUBLIC WORKS UPDATE
 - a. Water Pumpage Chart
 - b. September 2020 Monthly Permit Activity Report
 - c. Valve Exercising Program / Leak Survey Pro-Maps Atlas Update Program
7. VISITOR'S BUSINESS

(Public comment is limited to three minutes per person)
8. ADJOURNMENT

Mayor

Frank A. Trilla

Village Clerk

Leroy R. Hansen

Village Trustees

Sue Berglund

Umberto Davi

Michael Mistele

Gayle Neal

Paul Oggerino

Gregory Ruffolo

Village Administrator

Brian Pabst

Chief of Police

Robert Schaller

Director of Finance

Carrie Dittman



MINUTES OF THE REGULAR MEETING OF THE MUNICIPAL
SERVICES COMMITTEE OF THE VILLAGE OF WILLOWBROOK HELD
ON MONDAY, SEPTEMBER 28, 2020 AT 5:30 P.M. AT THE VILLAGE
HALL, 835 MIDWAY DRIVE, IN THE VILLAGE OF WILLOWBROOK,
DUPAGE COUNTY, ILLINOIS

1. CALL TO ORDER

The meeting was called to order at 5:35 PM. It was noted that this meeting was held via conference call due to the Covid-19 pandemic.

2. ROLL CALL

Those physically present at roll call were Chairman Michael Mistele, and Assistant Village Administrator Michael Mertens.

Those present via Zoom Conference call were Trustee Gregory Ruffolo, and Trustee Sue Berglund and Superintendent of Public Works Joe Coons.

3. APPROVAL OF MINUTES

After review of the draft minutes from the August 24, 2020 meeting of the Municipal Services Committee, Trustee Berglund made a motion to approve the minutes as presented. Trustee Mistele seconded the Motion. Roll Call. Motion Carried.

4. DISCUSSION – PROPOSALS FOR THE POTABLE WATER CIRCULATION SYSTEM FOR THE THREE-MILLION GALLON STANDPIPE

Superintendent Coons mentioned that this was an item brought up at a past Municipal Services Committee meeting. Superintendent Coons advised the Committee that a polar vortex came in the winter of 2018/19 causing ice to form in the 3-million-gallon standpipe triggering some damage to the cathodic protection equipment. This resulted in the tank being drained to make the necessary repairs. The mixer system keeps the water circulating preventing ice forming situation like those that occurred in 2018/19. Another benefit of the mixer system is it keeps the system from getting stagnant through the water circulation and keeps the chlorine levels consistent in the system. Superintendent Coons provided an overview of the pricing of the Gridbee mixer as well as the installation cost.

At the previous Municipal Services Committee meeting it was recommended that staff obtain quotes on alternate mixer system. Staff received a quote on a Kasco mixer system. The Gridbee mixer was recommended by our engineering firm, Christopher Burke. The Gridbee is more expensive but is a better-quality piece of equipment as the system is fully enclosed and comes with a longer warranty. Assistant Administrator Mertens added that he spoke with our Village Engineer prior to the meeting and in comparing the two mixer systems, there

were several mechanical differences. Christopher Burke Engineering recommends the Village utilize the Gridbee mixer system. Chairman Mistele asked about the install pricing. Assistant Administrator Mertens explained that we had received two quotes on the Gridbee installation. Staff was still waiting for an installation price for the Kasco system. Chairman Mistele recommended going with the Gridbee mixer and installation be done by Jude Vickery. Trustee Berglund seconded the motion. Roll call. Motion Carried.

5. DISCUSSION-THE SURPLUS OF ONE (1) 2005 FORD F-550 DUMP TRUCK

Superintendent Coons advised that the Village has purchased two new 2019 F-350 service body trucks. The 2005 F-550 dump truck needs costly repairs and has made it long past its useful life expectancy. Staff is recommending declaring the 2005 F-550 dump truck surplus. Trustee Berglund recommended this vehicle be declared surplus. Chairman Mistele seconded. Roll call. Motion Carried.

6. DISCUSSION-THE SURPLUS OF ONE (1) 2006 F-350 SERVICE BODY TRUCK

Superintendent Coons advised that the Village has purchased two new 2019 F-350 service body trucks. The 2006 F-350 service body truck needs costly repairs and has made it long past its useful life expectancy. Staff is recommending declaring the 2006 F-350 service body truck surplus. Chairman Mistele recommended this vehicle be declared surplus. Trustee Berglund seconded. Roll call. Motion Carried.

7. SUPERINTENDENT OF PUBLIC WORKS UPDATE.

a) **MFT Program and Village Hall Parking Lot** – The project was completed late last week. This included street resurfacing, patching, striping and the resurfacing of the Village Hall parking lot. Staff is compiling the quantities of products used to submit to our engineer for review. Superintendent Coons advised that one patch on Clarendon Hills Road was possibly a little high and was going to be evaluated to see if further action is required.

b) **Refuse Reports** – This was our first report with our new refuse contractor, Groot. Assistant Administrator Mertens mentioned the first month of service was August. He added that the residents have been requesting different tote sizes and Groot has been accommodating the switch outs. With the changeover to Groot, there have been some customer service issues with the Willowbrook@groot.com email and Groot's general customer service number. In general, things are going well.

c) **August 2020 Monthly Permit Activity Report** – Numbers were lower than the previous month. Mertens added that a temporary occupancy was given to the Beyond Self Storage facility.

d) 2020 Amnesty Day September 28, 29 and 30th and Fall Brush Program
October 19-23rd – Because of the three-day trash collection program in place, the Amnesty program will also take three days. Contractor D-Ryan is ready for the fall brush collection and will follow that up with the fall tree planting.

e) Valve Exercising Program / Leak Survey Pro-Maps Atlas Update Program
Staff is still in the process of getting additional prices for these services. M.E. Simpson provides all the services as one package. Other companies do some but not all components making price and scope of service comparison a challenge.

8. VISITORS BUSINESS

None

9. ADJOURNMENT

Motion to adjourn was made by Chairman Mistele, seconded by Trustee Ruffolo. Roll Call.
Motion Carried.

The meeting was adjourned at 6:00 PM.

MUNICIPAL SERVICES COMMITTEE MEETING
AGENDA ITEM SUMMARY SHEET

DISCUSSION – Snow Removal Proposals

COMMITTEE REVIEW

- ☐ Finance/Administration
☒ Municipal Services
☐ Public Safety

Meeting Date:

October 26, 2020

- | | |
|---|---|
| <input type="checkbox"/> Discussion Only | <input checked="" type="checkbox"/> Approval of Staff Recommendation (for consideration by Village Board at a later date) |
| <input type="checkbox"/> Seeking Feedback | <input type="checkbox"/> Approval of Staff Recommendation (for <u>immediate</u> consideration by Village Board) |
| <input type="checkbox"/> Regular Report | <input type="checkbox"/> Report/documents requested by Committee |

BACKGROUND

The Village is seeking to hire a contractor to help with 2020/21 snow season. The Village has always had a contractor to help with the removal of snow due to the limited staff size of four (4). The Village has solicited contractors for pricing for snow removal service for the 2020/21 snow season. The following is a summary of equipment and prices from three (3) different vendors.

NJ Ryan	H&R Construction	Falco's Landscaping
Pick up truck with plow \$115 per hour	Pickup truck with plow \$125 per hour	Pickup truck with plow \$120 per hour
Bobcat with pusher box \$140 per hour	Case with pusher box \$155 per hour	Bobcat with pusher box \$140 per hour
6-wheel dump truck \$85 per hour	Mack dump truck \$125 per hour	1-ton dump truck \$120 per hour
Combo Loader \$75 per hour	CAT loader \$155 per hour	Bobcat loader \$140 per hour
Dump truck with salt spreader \$145 per hour	H&R does not have equipment to spread salt	1 ton pick up with salt box \$140 per hour
Laborer \$75 per hour	Laborer \$75.00 per hour	Laborer \$75 per hour
Staffing up to 15	Staffing up to 6	Staffing up to 5

The equipment listed above is comparable even though the type of equipment from each vendor are different. The price per vehicle includes a driver. The separate laborer charge is utilized if the Village requires hand work such as snow removal on sidewalks at public buildings. This is something that occasionally happens if the Public Works staff is on the streets doing the plow routes and time does not allow them to get to the public buildings to shovel the sidewalks. It is at the discretion of the Public Works staff as to when to call out the contractor. On smaller events, the Public Works staff may be able to handle the snow removal in-house. The Village requires the contractor to be on-site within one (1) hour of a call in for snow removal service. The Village would supply salt to the contractor to use in town with the understanding that whatever salt is not used be returned to the Public Works facility before the contractor leaves town.

REQUEST FOR FEEDBACK

The Village used NJ Ryan during the 2019/20 season. It was the first year in 25+ years that a different contractor was used. Their ability to spread salt while plowing was effective and cut back on man hours during the tail end of the storms. The Village has budgeted \$70,000 for the 2020/21 snow season. The Village spent \$74,365 during the 2019/20 season.

STAFF RECOMMENDATION

Staff recommends using NJ Ryan based on their ability to spread salt, their staff size and providing the most competitive hourly rates. The Village has utilized NJ Ryan during the 2019/20 snow season without issue.

NJ RYAN TREE & LANDSCAPE LLC

17271 IL ROUTE 23
DEKALB, IL 60115

Estimate

Date	Estimate #
9/1/2020	136

Name / Address
Village of Willowbrook

			Project
Description	Qty	Cost	Total
Snow removal 2020-2021 Price quote as requested		0.00	0.00
Pickup truck wit 9' v-plow \$ 115 per hour			
Bobcat with bucket or pusher \$ 140 per hour			
6 Wheeler \$ 85 per hour			
Combo loader \$ 160 per hour			
Laborer \$ 75 per hour			
Dump truck with plow & salt spreader \$ 145 per hour			
Equipment list			
(4) 2018 S 650 Bobcat			
(2) 2016 S 850 Bobcat			
(2) 2017 International Roll off			
(2) 2012 Tandem Roll off			
(2) 2017 F250 Plow trucks			
(4) 2017 F450/550 Dump trucks with plow & spreader			
(2) 2019 S 650 Bobcat			
(2) 2018 John Deere F1435 with plow			
(1) 2018 V519 Telly Bobcat			
(2) 2016 John Deere 244K Loader			
Total			\$0.00

Customer Signature _____

PROPOSAL

H & R Construction, Inc.
6 Wild Plum Court
Lemont, Illinois 60439
Phone: 630-968-3581
FAX: 630-257-0073

No: 7389
Date: 10/15/20

Proposal Submitted To:		Work To Be Performed At:	
Name: Village of Willowbrook		Street: Snowplowing Rates	
Street:		City: 2020-2021	
City:	State: Illinois	State: Illinois	Zip:
Zip:	Phone:		

We hereby submit specifications and estimate for:

Plow trucks \$ 125.00 per hour
Case loader \$ 155.00 per hour
CAT Loader \$ 155.00 per hour
Dump Truck- 6-Wheeler \$ 125.00 per hour
Laborers \$ 75.00 each per hour

We propose to furnish labor and materials-complete in accordance with the above specifications, for the sum of
per job _____ dollars (\$ _____) with payment to be made as follows:

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs, will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accident or delays beyond our control This proposal subject to acceptance within _____ 30 _____ days and is void thereafter at the option of the undersigned.

Licensed- Bonded -Insured

Authorized Signature _____

Lisa A. Cucki

ACCEPTANCE OF PROPOSAL

The above prices, specifications and conditions are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

ACCEPTED:

DATE _____

SIGNATURE _____

PLEASE SIGN ONE COPY AND RETURN

4 N 151 5TH Ave. Addison, IL, 60101
Phone # (630) 458-0994 Cell# (630) 514-6173
Email: falcotland@gmail.com

[illegible]

**MUNICIPAL SERVICES COMMITTEE MEETING
AGENDA ITEM SUMMARY SHEET**

DISCUSSION – Aclara Water System Software Update

COMMITTEE REVIEW

- ☐ Finance/Administration
☒ Municipal Services
☐ Public Safety

Meeting Date:

October 26, 2020

- | | |
|---|---|
| <input checked="" type="checkbox"/> Discussion Only | <input type="checkbox"/> Approval of Staff Recommendation (for consideration by Village Board at a later date) |
| <input type="checkbox"/> Seeking Feedback | <input type="checkbox"/> Approval of Staff Recommendation (for <u>immediate</u> consideration by Village Board) |
| <input type="checkbox"/> Regular Report | <input type="checkbox"/> Report/documents requested by Committee |

BACKGROUND

The Village of Willowbrook utilizes an Aclara NCC software and hardware system for our water meter readings. This system integrates with our BS&A financial software for our monthly water billing. The Village was advised by Aclara representatives that their firm will begin phasing out support for the NCC software system in 2021. On Tuesday, October 20, 2020, the Village participated in a conference call with Aclara representatives to review the proposed upgraded software system Aclara One. This new system is an evolution of their phasing out NCC platform.

Some of the new user benefits are as follows:

- Easier navigation with a user focus
- Faster generation / manipulation of online reports
- Searchable reports
- Configurable dashboards and callout cards

The proposed Aclara program update is summarized as follows:

- DCU T-Board Upgrade package at \$13,500
- Aclara One Hosted Software (Option A) at \$34,758 or,
- Aclara One On-Premise Software (Option B) at \$30,170

REQUEST FOR FEEDBACK

The Village has a \$48,258 budget placeholder in our FY 2020/21 for software/hardware upgrades. Staff would recommend re-budgeting the \$48,258 in FY2021/22 for the Aclara One Hosted software upgrade (Option A). This will provide the Village additional time to do reference checks with other communities who are in the process of upgrading to Aclara One and utilize BS&A financial software.

A copy of the price proposal and data sheets are attached for your review.

Midwest Meter, Inc
P.O. Box 318
Edinburg, IL 62531
Phone: 1-800-634-4746
Fax: (217) 623-4216



Quotation

Customer

Name Village of Willowbrook
Address _____
City Willowbrook State IL ZIP _____
Phone _____

Misc.

Date 10/20/2020
Terms Net 30
Delivery Various
FOB _____

DCU Hardware Upgrade			
3	DCU T-Board Upgrade, includes all other parts and labor package (Part number 109-9975T-RTFT-CELL)	\$4,500.00	\$ 13,500.00
	DCU Inspection and preventative maintenance New T-Board 1 Year Warranty		\$ 13,500.00
Aclara One Hosted Software (Option A)			
1	Upgrade to ACLARA ONE SOFTWARE One Time Implementation Fee	\$21,000.00	\$ 21,000.00
	Yearly Fees:		
1	ACLARA ONE Hosted Software Annual Fee	\$12,894.00	\$ 12,894.00
3	Aclara Wireless Network Annual Fee per DCU	\$288.00	\$ 864.00
			\$ 34,758.00
Aclara One On-Premise Software (Option B)			
1	Upgrade to ACLARA ONE SOFTWARE One Time Implementation Fee	\$15,750.00	\$ 15,750.00
1	ACLARA ONE SOFTWARE One Time Server Load Fee	\$5,000.00	\$ 5,000.00
	Yearly Fees:		
1	ACLARA ONE SOFTWARE Annual Software Maintenance Fees	\$8,556.00	\$ 8,556.00
3	Aclara Wireless Network Annual Fee per DCU	\$288.00	\$ 864.00
			\$ 30,170.00
		Total	

Sales Rep

Name Tim O'Connor

Prices are firm for acceptance within 30 days of the date of quotation, and an order placed within that time period will indicate acceptance.

Product specification and prices are subject to change without notice unless specifically stated in this quotation.

Thank you for your business!

AclaraONE vs. NCC

AclaraONE	NCC
Easier navigation (User Focused)	Older platform, not UX designed
Faster generation/manipulation of online reports	Downloaded reports, not manipulated
Searchable reports	Lots of data, not easily sortable/searchable
Flexible reports	Static reports
New Analytics released quarterly	Limited analytics
Event visualization	N/A
Configurable dashboards and callout cards	N/A
SIS integrations	Limited
3rd Party AMI data ingestion into the MDM	N/A
API based interfaces	Custom interfaces
Data security with MS Azure	Utility based security

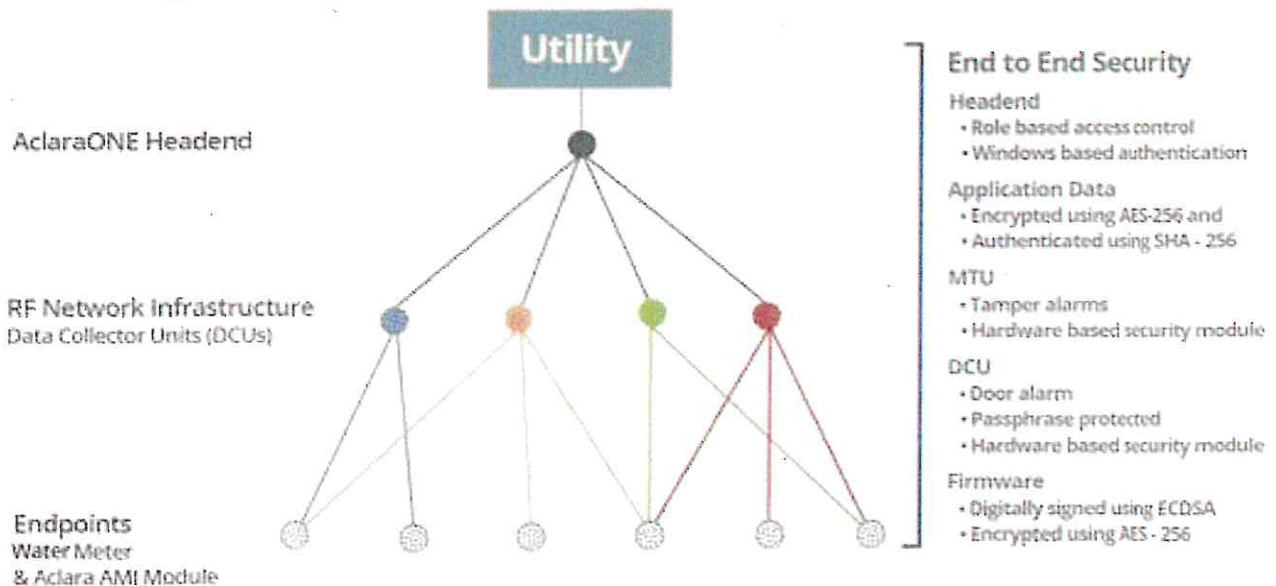
AclaraONE Security Endpoint to Headend

Aclara provides data security across all levels of the system. Each communication module has a unique key that is generated and protected inside of its own physically secure hardware chip. The key is generated from a hardware random number generator (RNG) output and protected with multiple physical security protections. Application data is protected with end-to-end AES-256 encryption (3451 MTU) so that communication between each communication module and the AclaraONE software is encrypted and passes transparently through the collector network.

Application data is also protected with end-to-end authentication so that only legitimate traffic gets through. If any legitimate traffic is captured and replayed to the device again (e.g., attacker sends command to close RCD switch again) the replayed traffic will be automatically detected and dropped. This method of encryption and hashed-authentication is well-suited for security, battery-preservation, and network performance.

The AclaraONE platform communicates securely utilizing Transport Layer Security (TLS). To communicate with a utility's systems, TLS is used to secure communications between the AclaraONE platform and the AclaraONE Integration Relay, installed inside of the utility's IT network. The AclaraONE integration relay provides connectivity to the utility systems located in its data center or in another cloud without compromising the security of the network. The relay provides an encrypted tunnel into the network. The Aclara RF System Architecture and Security is depicted below:

Aclara RF System Architecture & Security



A variety of error checking and message redundancy techniques guarantee that the MTUs and DCUs will accurately transmit every reading that is received from meter registers and other devices.

AclaraONE Hosted Solution Security

Additionally, Aclara's hosted solution is housed in Microsoft data centers that are geographically diverse and follow the strict physical and virtual security measures implemented by Microsoft. The physical and virtual security include fully redundant data centers with robust availability of more than 99%; 24x7x365 onsite personnel; dual-factor, biometric access control; closed-circuit video surveillance; advanced fire protection; backup and restoration, etc. Aclara employs various methods and techniques to mitigate virtual security attacks like cross site scripting (XSS), cross request forgery, SQL injection attacks, etc. Aclara conducts third-party security audits, penetration testing, and obtains annual certifications, such as the annual SSAE 18 Service Organization Controls (SOC 2) audit for hosted solutions.



AclaraONE Software Solutions

One Network for Everyone



To be ready for anything, you need a partner with a wide range of solutions; but not just any solutions. You need that will stay effective for years to come.

Unlock, analyze and apply critical meter and device data with the AclaraONE™ (One Network for Everyone™) platform. With a single, customizable interface for utility personnel, AclaraONE allows you to manage distribution infrastructure, integrate key business processes, optimize operations, improve reliability and position your utility for future success.

OVERVIEW

AclaraONE is a powerful platform that enables Aclara's communications technology and adds comprehensive solutions to transform business operations, increase efficiencies, reduce costs and increase customer satisfaction. Built to provide actionable insights and the situational awareness required to handle growing distribution challenges,

AclaraONE allows gas, water, and electric utilities to securely, reliably, and efficiently operate their distribution networks. From meter to cash, network management, distribution operations, sensors, analytics, and consumer engagement, AclaraONE delivers the broad set of functionalities utilities require to monitor, optimize and improve the operation of their infrastructures under a single platform. Equipped with robust, scalable, next-generation AclaraONE smart infrastructure solution (SIS) software, network operators can react faster and more effectively while improving the technical and economical operation of their distribution grids.

BENEFITS

- **Meter-to-cash** software offers a single, centralized enterprise service featuring consumption-based analytics, billing analytics and a portal and tools for customer service representatives.
- **Network management** functions link securely to critical business systems through a single, centralized head end for gas, water and electric devices on Aclara's RF, powerline communications and cellular networks.
- **Distribution operations** software provides distribution automation capabilities that rapidly shed load during peak periods, pinpoint outages on low-voltage power lines using analysis of meter data, and analyze data from smart grid sensors to detect and locate faults, classify various line disturbances, and monitor power quality across all three phases of medium-voltage distribution networks.
- **Analytics** in AclaraONE allow utilities to extract information from the data they collect from meters and sensors on their distribution networks, providing real-time insights, alerting utilities to events affecting operations and enabling quick response to identified problems.
- The **Aclara Adaptive Consumer Engagement (Aclara ACE®)** solution works with AclaraONE to provide customers with an omnichannel experience and personalized and actionable insights that heighten energy-cost awareness, promote energy and water efficiency, boost utility program enrollment, and increase customer satisfaction scores.



AclaraONE Software Solutions

One Network for Everyone

FEATURES

The AclaraONE platform offer you the software you need to manage distribution operations, sensors, and analytics.

Distribution Operations

- The AclaraONE™ platform offers you the insights and confidence to safely monitor, manage, and control distribution grid assets in the most challenging of circumstances.
- Innovative load control operates the grid at optimum efficiency, and rapidly manages and sheds load during peak periods.
- Distribution automation solutions help you deliver these outcomes by providing standards-based (i.e. DNP3) communications and control to both intelligent electronic devices and older analog devices.
- The Aclara Grid Monitoring platform detects faults and integrates with data historians as well as SCADA, OMS, or DMS systems.

Sensors and Analytics

Our robust, solutions analyze data collected from sensors on your existing gas and water networks and deliver targeted, actionable insights that help you improve operations and maximize customer benefits.

- The Aclara ZoneScan solution collects data from sensors monitoring points located throughout the water distribution system and correlates it at your office, providing visual identification of probable leak locations.
- Non-revenue water loss, conservation and customer service challenges are solved with Aclara's suite of software and water analytics.
- Sanitary sewer overflow (SSO) solution alerts utilities to any potential or actual sanitary sewer overflow, which can send contaminated water onto streets or into lakes, rivers or streams.
- Pressure Monitoring actively monitors your distribution networks, collecting detailed, accurate and actionable data on water and gas pressures.

Consumer Engagement

The Aclara Adaptive Consumer Engagement (Aclara ACE®) platform offers data-driven tools that will propel your consumer engagement programs for success. Aclara ACE helps utilities engage customers online, on their tablets, or through their mobile devices.

Network Management

AclaraONE performs network management and securely links to critical business systems via a single, centralized head end for gas, water, and electric devices on our RF, power line communications, and cellular networks.

- Installs, recognizes, and administers electric, gas, and water devices and their pairings with Aclara communication modules through a common, easy-to-use interface and user experience.
- Supports secure roles-based access, including single-sign-on, user authentication, and integration with Microsoft Active Directory®.
- Provides over 100 health-alarms and software-generated analytics alerts.

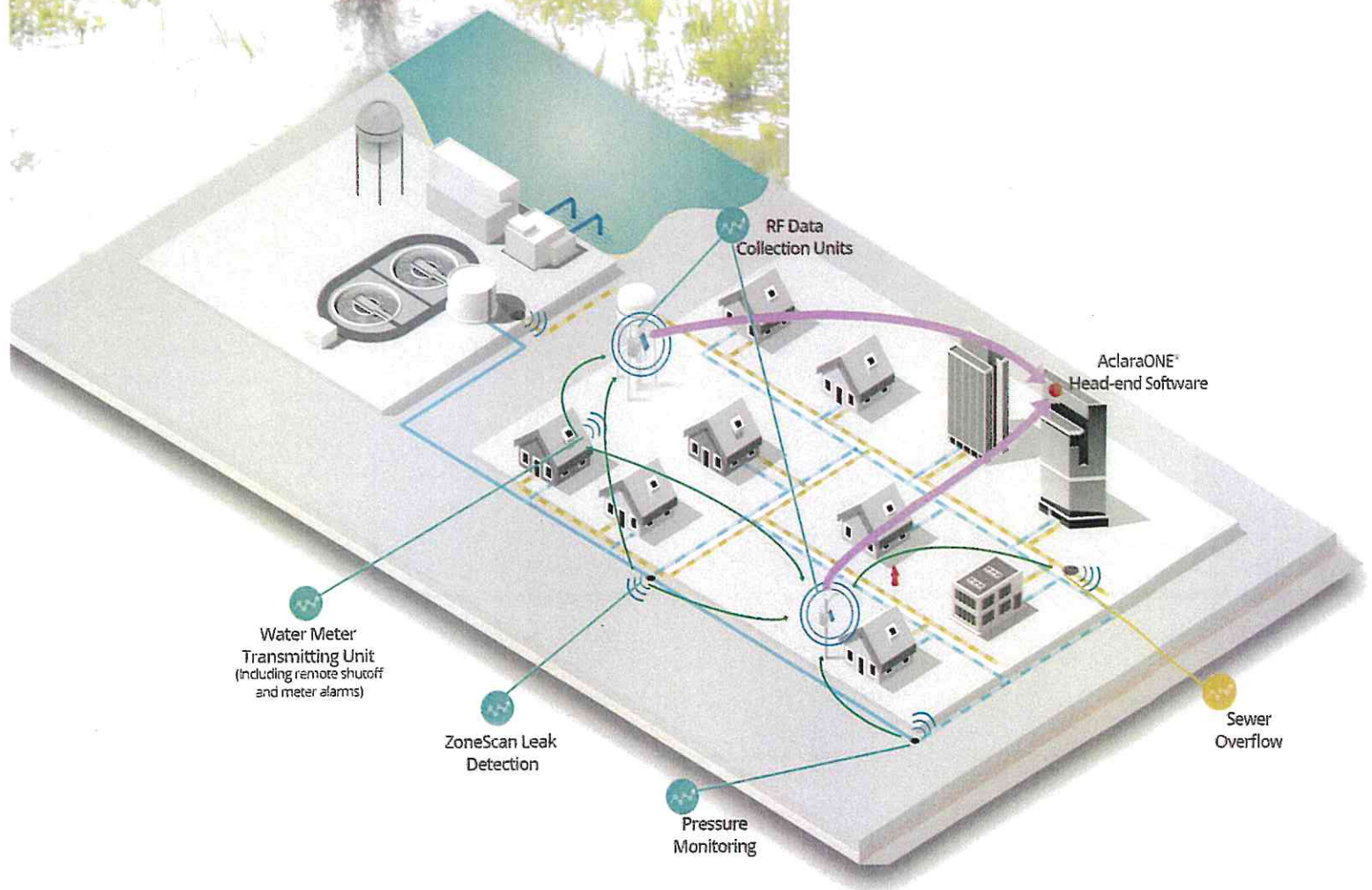
Meter-to-Cash

AclaraONE™ meter-to-cash software provides a single, centralized enterprise service that delivers billing data accuracy. The AclaraONE MDM system supports end-to-end data validation, estimation, and editing (VEE), integrated reads, and billing determinant delivery, providing customer service and network management employees with the tools they need to deliver efficient service.



Aclara RF™ Network for Water Utilities

With its long track record of innovation driven by changing customer needs and enhanced features, for more than 20 years water utilities have chosen the Aclara RF Network.



Aclara RF™ Network for Water Utilities

The Aclara RF Network for water utilities offers fixed network, two-way AMI communications that go beyond AMR by securely and accurately reading water meters electronically – without meter readers, drive-by vehicles, or handhelds. Our solution provides hourly, time-stamped, and time-synchronized meter readings that can help large and small water utilities improve their business operations.

The Aclara RF Network's AMI radio topology consists of three components:

- Meter Transmission Unit (MTU)
- Data Collector Unit (DCU)
- AclaraONE® (One Network for Everyone)

SERIES 3400 WATER METER TRANSMISSION UNIT (MTU)

At the heart of the Aclara RF Network for water utilities is the series 3400 MTU. It provides the water utility with accurate, and timely meter reading data to support revenue management by reducing reading and billing errors, and is tested compatible with virtually all AMI-ready water meters available in North America. The series 3400 MTU provides a complete system read with all the necessary information to reconcile the amount of water entering the system to the billable water that is consumed, thus identifying the probability of system leaks.

DATA COLLECTION UNITS (DCU)

The DCU will help utility staff maintain the reliability of aging infrastructure and improve efficiency and capacity through enhanced asset management, monitoring, and timely communication.

The DCU transmits and receives data over individual 450 to 470 MHz radio frequencies. Powered by a solar panel or AC power supply (with on-board battery backup), the DCU time stamps, processes, and stores diagnostic information and data collected from MTUs.

DCUs decode and error-check the received data before storing it in local memory, as well as transmitting data for further processing to the AclaraONE headend software and sends commands and alerts back out to the MTUs. DCUs can use a variety of backhaul communications technologies such as cellular, Ethernet, and fiber optic.

DCUs are installed throughout the service territory on a wide variety of assets, including municipal and utility building roofs, water or other towers, street lights, and utility poles. One Aclara RF Network DCU can support tens of thousands of meters in a typical urban area.

ACLARAONE® HEADEND SOFTWARE

AclaraONE is a powerful headend software platform that enables Aclara's communications technology and adds comprehensive solutions to transform business operations, increase efficiencies, reduce costs, and increase customer satisfaction. Built to provide actionable insights and provide the situational awareness required to handle growing distribution challenges, AclaraONE allows water utilities to securely, reliably, and efficiently operate their distribution networks.

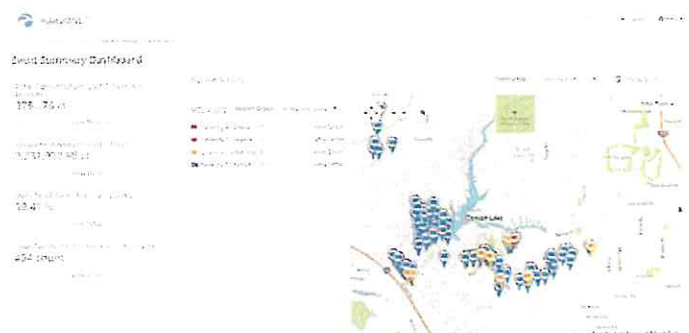


Fig. 1 – AclaraONE platform

From meter to cash, network management, distribution operations, sensors, analytics, installation services, and consumer engagement, AclaraONE delivers a broad set of functionalities utilities require to monitor, optimize, and improve the operation of their infrastructures. Operating as a single platform for networks ranging in size from a few hundred meters to millions of meters, AclaraONE also integrates smart infrastructure solution applications so network operators can react faster and more effectively while managing their distribution network.

The AclaraONE platform supports the complete lifecycle of an advanced metering infrastructure network through a headend that:

- Handles device installation, network messaging, and device management and control. It supports secure roles-based access, including single-sign-on, user authentication, and integration with Microsoft Active Directory®, so network messaging on the AclaraONE platform is reliable, robust, and secure.
- Drives persistent consumer engagement leading to higher customer satisfaction scores and increases program adoption rates. with our Aclara Adaptive Consumer Engagement (ACE®) platform. The Aclara ACE customer portal is adaptable and flexible enough to mold solutions to meet your utility's needs, whether you want to deploy a behavioral program, showcase AMI data, redefine your customer's digital experience, inform users with advanced load-disaggregation models, or leverage alerts to keep customers engaged.
- Engages your customers online, on their tablets, or through their mobile device with our full suite of Aclara ACE features, thanks to our modern, responsive web design. Provide your customers with 24x7 access to billing, consumption, and conservation tools to drive customer self-service through our My Bills, My Usage, and My Savings modules.



Fig. 2 – 24x7 access to Aclara ACE features online, on your tablet, or mobile device.

VALUE ADDED APPLICATIONS

The Aclara RF Network can do far more than read water meters. Adding the ZoneScan acoustic leak detection system – which uses the same communication network and headend software – to identify and locate leaks in water distribution systems can drastically reduce non-revenue water and extend the life of aging infrastructures. Pressure monitoring and sewer overflow applications also leverage the already installed network to give deep near-real-time insights into operation of a water network.



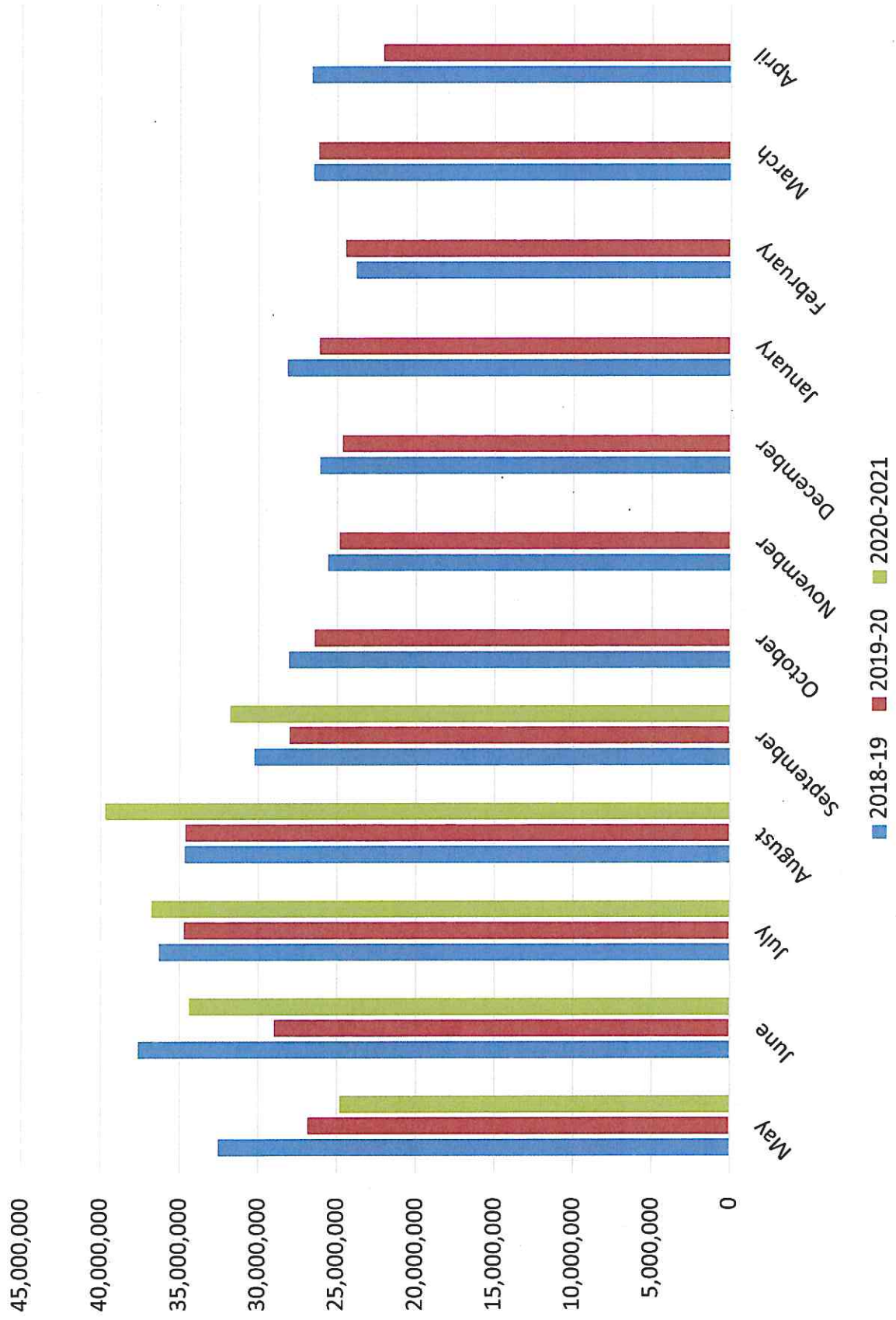
BENEFITS OF THE ACLARA RF NETWORK

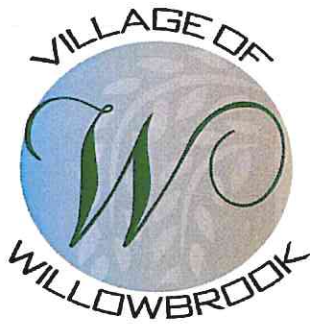
For more than 20 years water utilities have chosen the Aclara RF Network, and for good reason. Utilities value Aclara's integrated solution suite, which can take the utility from meter reading to customer service to analytics and beyond. Meter shop managers and information technologists appreciate the RF Network's flexible and elegant design and easy scalability. A long track record of innovation driven by changing customer needs and enhanced features – while not stranding previously installed hardware – keeps Aclara at the leading edge of AMI solutions. High levels of redundancy, resiliency, and superior RF performance due to the underlying 450-470 MHz communications frequencies lead to the best-read success rates in the industry and a long-term deployment that just works.

ACLARA'S RF NETWORK IS A PROVEN AMI TECHNOLOGY DESIGNED TO MEET TODAY AND TOMMORROW'S NEEDS:

- **Reduce distribution costs** with scalable and automated meter reading, distribution management, and service quality.
- **Enhance consumer engagement** with immediate data that provides customers the information they need to understand and make consumption decisions.
- **Lower operating costs** with tools to plan and optimize investments in maintenance and capital upgrades.
- **Create a data-driven solution** to develop and expand the utility's ability to serve customers.
- **Support sustainability efforts** to protect our environment and conserve our natural resources.

Village of Willowbrook
Monthly Pumpage Chart





EST. 1960

Willowbrook

835 Midway Drive
Willowbrook, IL 60527-5549

Phone: (630) 323-8215 Fax: (630) 323-0787 www.willowbrookil.org

MONTHLY REPORT
MUNICIPAL SERVICES DEPARTMENT
September, 2020

Mayor

Frank A. Trilla

Village Clerk

Leroy R. Hansen

Village Trustees

Sue Berglund

Umberto Davi

Michael Mistele

Gayle Neal

Paul Oggerino

Gregory Ruffolo

**Village
Administrator**

Brian Pabst

Chief of Police

Robert Schaller

**Director of
Finance**

Carrie Dittman

Permits Issued:

Addition Res	1
Asphalt	4
Concrete	3
Drywall	1
Drainage	1
Electric	1
Fence	2
Garage repair C	1
HVAC	1
Int Rem C	1
Int Rem R	2
Irrigation	1
Pavers	1
RTU	1
Roof	14
ReOccupancy	3
Sewer cleanout	1
Signs	4
UG Pool	1
Water Heater	2
Window/Doors	7

TOTALS 53

Plan Review Deposit Fee 0

Permit Revenue for September 2020 \$ 25,890.62

Total Revenue Collected for Fiscal YTD \$140,400.19

Total Budgeted Revenue for Fiscal Year 20/21 \$ 295 000.00

Total Percentage of Budgeted Revenue
Collected to Date 47.59%

Certificate of Occupancy, Final 5

Certificate of Occupancy, Temporary 3

Respectfully submitted,

Michael Mertens-Assistant Village Administrator



Proud Member of the
Illinois Route 66 Scenic Byway

MUNICIPAL SERVICES DEPARTMENT

PERMIT REVENUE

Fiscal Year 2020-2021

MONTH	CURRENT FISCAL YEAR 2020-2021	PRIOR FISCAL YEAR 2019-2020
MAY	\$ 41,190.44	\$ 24,660.45
JUNE	\$ 20,616.93	\$ 18,235.23
JULY	\$ 33,143.57	\$ 86,968.36
AUGUST	\$ 19,558.63	\$ 13,262.60
SEPTEMBER	\$ 25,890.62	\$ 18,390.75
OCTOBER		\$ 59,207.60
NOVEMBER		\$ 19,078.16
DECEMBER		\$ 19,940.06
JANUARY		\$ 145,370.82
FEBRUARY		\$ 29,837.34
MARCH		\$ 29,705.09
APRIL		\$ 146,939.37
COLLECTED REVENUE	\$ 140,400.19	\$ 611,595.83
BUDGETED REVENUE	\$ 295,000.00	\$ 280,000.00
REVENUES COLLECTED- (OVER)/UNDER BUDGET	\$ 154,599.81	\$ (331,595.83)
PERCENTAGE OF BUDGETED REVENUE COLLECTED	47.59%	218.43%

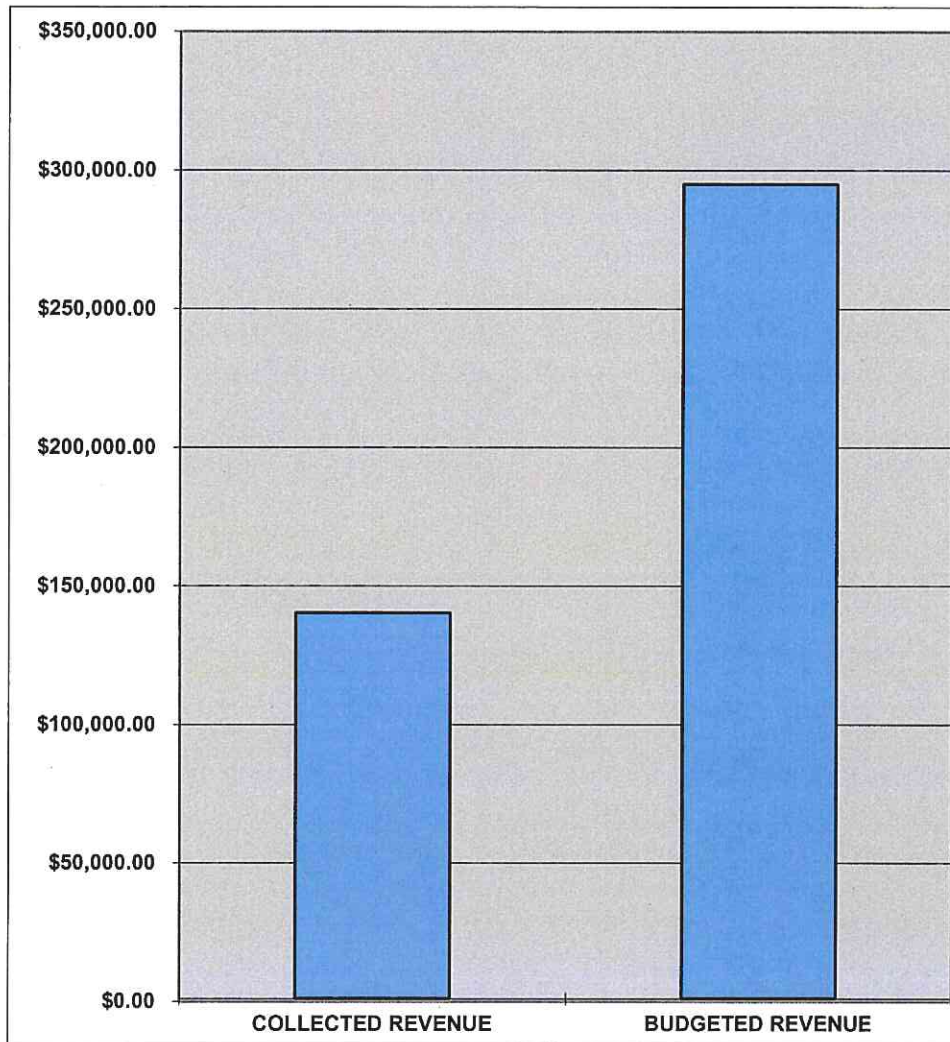
MUNICIPAL SERVICES DEPARTMENT

PERMIT REVENUE

	Fiscal Year 20-21	Fiscal Year 19-20
COLLECTED REVENUE	\$ 140,400.19	\$ 611,595.83
BUDGETED REVENUE	\$ 295,000.00	\$ 280,000.00

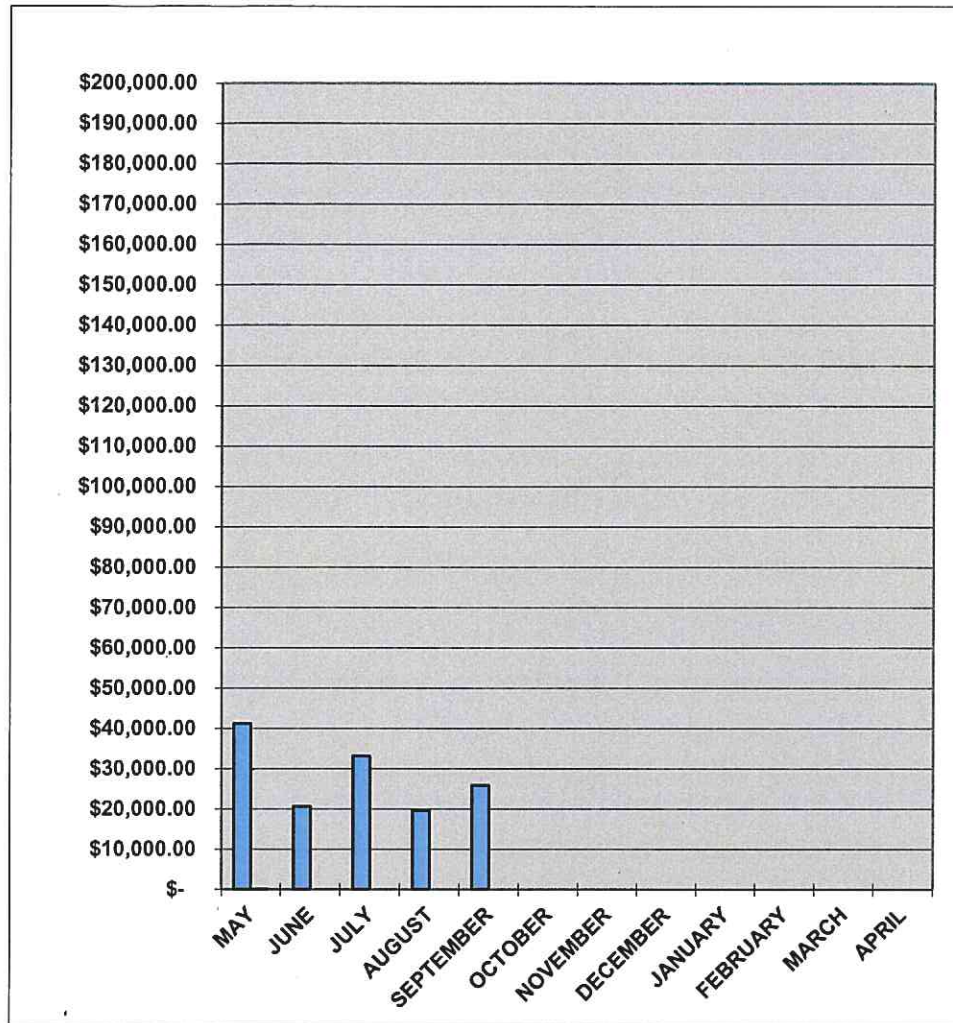
MUNICIPAL SERVICES DEPARTMENT

PERMIT REVENUE



MUNICIPAL SERVICES DEPARTMENT

PERMIT REVENUE



Permit	Date Issued:	Date Released:	Date Permit Expires:	Name:	Address:	Permit Purpose:	Business Name:	Fee:	RES / COMM:	Valuation:
20-287	08/31/20	09/01/20	03/02/22		7775 Quincy	Roof	Previously Sterigenic	\$ 460.00	C	\$ 616,400.00
20-289	09/02/20	09/02/20	03/03/22		601 Lake Hinsdale #504	HVAC		\$ 315.00	R	\$ 8,000.00
20-290	09/02/20	09/03/20	03/04/22		534 Plainfield Road	Fence		\$ 190.00	R	\$ 3,000.00
20-295	09/03/20	09/03/20	03/04/22		6048 Clarendon Hills Rd	Addition		\$ 1,131.32	R	
20-277	08/26/20	09/03/20	03/04/22		6060 Laurrell Lane	Asphalt	TGM Condo Assoc	\$ 510.00	M	\$ 36,625.00
20-279	08/27/20	09/04/20	03/05/22		147 Stanhope #B	Condo Remodel		\$390.00	M	\$ 1,000.00
20-280	08/27/20	09/04/20	03/05/22		6340 Americana Drive	Garage Maintenance	Lake Hins. Towers	\$730.00	M	\$516,055.00
20-288	09/01/20	09/04/20	03/05/22		740 67th Place	U/G Pool		\$926.00	R	\$80,000.00
20-292	09/03/20	09/04/20	03/05/22		7145 Kingery Hwy	Re-Occupany/Elec	Spirit Halloween Store	\$375.00	C	
20-293	09/03/20	09/04/20	03/06/21		7145 Kingery Hwy	Sign	Spirit Halloween Store	\$ 496.88	C	
20-291	09/03/20	09/08/20	03/09/22		98 63rd Street	Sign	Eva's Place	\$ 683.72	C	\$ 3,000.00
20-269	08/24/20	09/09/20	03/10/22		6148 Knoll Wood Road	Roof	Knolls Condo Assoc	\$ 195.00	M	\$ 17,900.00
20-270	08/24/20	09/09/20	03/10/22		6150 Knoll Wood Road	Roof	Knolls Condo Assoc	\$ 195.00	M	\$ 17,900.00
20-271	08/24/20	09/09/20	03/10/22		6165 Knoll Wood Road	Roof	Knolls Condo Assoc	\$ 195.00	M	\$ 17,900.00
20-272	08/24/20	09/09/20	03/10/22		6169 Knoll Wood Road	Roof	Knolls Condo Assoc	\$ 195.00	M	\$ 17,900.00
20-298	09/08/20	09/09/20	03/10/22		6131 Knoll Wood Road	Asphalt	Knolls Condo Assoc	\$ 510.00	M	\$ 9,780.00
20-301	09/09/20	09/09/20	03/10/22		352 Willowood Ln	Roof		\$ 100.00	R	\$ 11,000.00
20-297	09/04/20	09/09/20	03/10/22		6653 Wedgewood Lane	Doors		\$ 190.00	R	\$ 31,446.00
20-278	08/26/20	09/09/20	03/10/22		6401 Clarendon Hills Road	Drain	Lawns 2 Assoc	\$ 285.00	M	\$ 8,100.00
20-282	08/28/20	09/11/20	03/12/22		6145 Willowood Lane	Windows		\$ 165.00	R	\$ 12,000.00
20-294	09/03/20	09/11/20	03/12/22		6159 Brookside # A	Water Heater		\$ 100.00	M	\$ 2,450.00
20-250	08/11/20	09/14/20	03/15/22		5833 Bentley	Lawn Sprinkler		\$ 240.00	R	\$ 6,000.00
20-303	09/11/20	09/14/20	03/15/22		625 Plainfield Road #224	Re-Occupany/	Little Steps Pediatric	\$ 250.00	C	
20-306	09/14/20	09/15/20	03/17/21		6404 Bentwood Ln	Fence		\$ 190.00	R	\$ 2,290.00
20-249	09/14/20	09/17/20	03/18/22		545 Plainfield Rd #E	Remodel Inter	Woodland Park WB	\$ 3,084.20	C	\$ 18,000.00
20-308	09/16/20	09/17/20	03/18/22		425 79th Street	Roof		\$ 100.00	R	\$ 15,937.60
20-307	09/16/20	09/18/20	03/19/22		101 Lake Hinsdale Drive	Drywall	Lake Hins. Village	\$ 335.00	M	\$ 11,965.00
20-311	09/17/20	09/18/20	03/19/22		6340 Americana Dr #1220	Windows		\$ 140.00	M	\$ 950.00
20-304	09/14/20	09/18/20	03/19/22		689 Executive Dr	Re-Occupancy	Rain Dogs Trucking Inc	\$ 250.00	C	\$ 22,924.00
20-305	09/14/20	09/18/20	03/19/22		324 Sheridan	Asphalt	Green Willows Condo	\$ 510.00	M	\$ 22,924.00
20-313	09/18/20	09/18/20	03/19/22		6625 Weatherhill Dr	Water Heater		\$ 100.00	M	\$ 1,027.00
20-302	09/09/20	09/21/20	03/22/22		7806 Virginia Crt	Roof		\$ 100.00	R	\$ 16,000.00
20-310	09/16/20	09/21/20	03/22/22		335 Ridgemoor Dr	Patio door		\$ 190.00	R	\$ 3,200.00
20-317	09/22/20	09/22/20	03/23/22		101 Lake Hinsd Dr #401	Bathroom		\$ 315.00	M	\$ 6,700.00
20-314	09/18/20	09/23/20	11/27/20		6401 Meadow Ln	Roof/windows		\$ 265.00	R	\$ 38,000.00
20-316	09/21/20	09/23/20	03/24/22		300 79th Street	Windows		\$ 140.00	R	\$ 4,465.00
20-300	09/25/20	09/25/20	03/26/22		7526 Eleanor Place	Driveway		\$ 240.00	R	\$ 4,550.00
20-324	09/28/20	09/28/20	03/29/22		14 W 63rd Street	19 Rooftop Units	Willowbrook Square	\$ 2,765.00	C	
20-325	09/28/20	09/28/20	03/29/22		539 Ridgemoor	Brick Apron		\$ 280.00	R	\$ 3,000.00
20-296	09/04/20	09/28/20	03/29/22		7700 Brookbank Rd	Windows		\$ 215.00	R	\$ 22,379.00
20-327	09/28/20	09/28/20	03/29/22		7546 Apple Tree Lane	Roof		\$ 100.00	R	\$ 10,109.00
20-321	09/24/20	09/28/20	03/29/22		7601 Arlene Ave	Roof		\$ 100.00	R	\$ 9,254.00
20-323	09/25/20	09/29/20	03/30/22		530 Executive Dr	New Electric Svc	Aramark	\$ 885.00	C	\$ 3,500.00
20-254	08/12/20	09/30/20	03/31/22		40 W 75th St	Sign	Midwest Express Clinic	\$ 1,309.50	C	\$ 5,800.00
20-320	09/23/20	09/30/20	03/31/22		625 Joliet Rd	Sign	Compass Arena	\$ 3,674.00	C	\$ 39,000.00
20-318	09/22/20	09/30/20	03/31/22		6610 Wedgewood Ln	Sewer Clean out		\$ 215.00	R	\$ 8,467.00
20-328	09/29/20	09/30/20	03/31/22		549 68th St	Driveway		\$ 240.00	R	\$ 3,700.00
20-331	09/29/20	09/30/20	03/31/22		7823 Clarendon Hills Road	Roof		\$ 100.00	R	\$ 10,475.00
20-332	09/30/20	09/30/20	03/31/22		7811 Brookbank Rd	Roof		\$ 100.00	R	\$ 13,465.00
20-329	09/29/20	09/30/20	03/31/22		7710 Brookbank	Roof		\$ 100.00	R	\$ 3,000.00
20-330	09/29/20	09/30/20	03/31/22		Lake Willow Way	Parking Lot		\$ 760.00		

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GL ACTIVITY REPORT FOR WILLOWBROOK
 FROM 01-00-310-401 TO 01-00-310-401
 TRANSACTIONS FROM 09/01/2020 TO 09/30/2020

Page: 1/1

Date	JNL	Type	Description	Reference #	Debits	Credits	Balance
Fund 01 GENERAL FUND							
09/01/2020			01-00-310-401 BUILDING PERMITS		BEG. BALANCE		(109,281.16)
09/02/2020	CR	RCPT	Building Dept. Invoice 09/02/2020			460.00	(109,741.16)
09/02/2020	CR	RCPT	Building Dept. Invoice 09/02/2020			315.00	(110,056.16)
09/03/2020	CR	RCPT	Building Dept. Invoice 09/03/2020			700.00	(110,756.16)
09/03/2020	CR	RCPT	Building Dept. Invoice 09/03/2020			1,131.32	(111,887.48)
09/04/2020	CR	RCPT	Building Dept. Invoice 09/04/2020			926.00	(112,813.48)
09/04/2020	CR	RCPT	Building Dept. Invoice 09/04/2020			1,705.00	(114,518.48)
09/08/2020	CR	RCPT	Building Dept. Invoice 09/08/2020			660.00	(115,178.48)
09/09/2020	CR	RCPT	Building Dept. Invoice 09/09/2020			100.00	(115,278.48)
09/09/2020	CR	RCPT	Building Dept. Invoice 09/09/2020			1,480.00	(116,758.48)
09/09/2020	CR	RCPT	Building Dept. Invoice 09/09/2020			285.00	(117,043.48)
09/10/2020	CR	RCPT	Building Dept. Invoice 09/10/2020			265.00	(117,308.48)
09/14/2020	CR	RCPT	Building Dept. Invoice 09/14/2020			240.00	(117,548.48)
09/14/2020	BD	TRX	SUMMARY BD 09/14/2020			250.00	(117,798.48)
09/15/2020	CR	RCPT	Building Dept. Invoice 09/15/2020			190.00	(117,988.48)
09/17/2020	CR	RCPT	Building Dept. Invoice 09/17/2020			3,184.20	(121,172.68)
09/18/2020	CR	RCPT	Building Dept. Invoice 09/18/2020			490.00	(121,662.68)
09/18/2020	CR	RCPT	Building Dept. Invoice 09/18/2020			845.00	(122,507.68)
09/21/2020	CR	RCPT	Building Dept. Invoice 09/21/2020			190.00	(122,697.68)
09/21/2020	BD	TRX	SUMMARY BD 09/21/2020			100.00	(122,797.68)
09/22/2020	CR	RCPT	Building Dept. Invoice 09/22/2020			315.00	(123,112.68)
09/23/2020	CR	RCPT	Building Dept. Invoice 09/23/2020			140.00	(123,252.68)
09/24/2020	BD	TRX	SUMMARY BD 09/24/2020			100.00	(123,352.68)
09/25/2020	CR	RCPT	Building Dept. Invoice 09/25/2020			240.00	(123,592.68)
09/25/2020	CR	RCPT	Building Dept. Invoice 09/25/2020			250.00	(123,842.68)
09/28/2020	CR	RCPT	Building Dept. Invoice 09/28/2020			495.00	(124,337.68)
09/28/2020	CR	RCPT	Building Dept. Invoice 09/28/2020			2,765.00	(127,102.68)
09/28/2020	BD	TRX	SUMMARY BD 09/28/2020			100.00	(127,202.68)
09/29/2020	CR	RCPT	Building Dept. Invoice 09/29/2020			885.00	(128,087.68)
09/30/2020	CR	RCPT	Building Dept. Invoice 09/30/2020			1,525.00	(129,612.68)
09/30/2020	CR	RCPT	Building Dept. Invoice 09/30/2020			860.00	(130,472.68)
09/30/2020			01-00-310-401	END BALANCE	0.00	21,191.52	(130,472.68)

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GL ACTIVITY REPORT FOR WILLOWBROOK
FROM 01-00-310-402 TO 01-00-310-402
TRANSACTIONS FROM 09/01/2020 TO 09/30/2020

Page:

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Date	JNL	Type	Description	Reference #	Debits	Credits	Balance
Fund 01 GENERAL FUND							
09/01/2020			01-00-310-402 SIGN PERMITS		BEG. BALANCE		(5,038.41)
09/04/2020	CR	RCPT	Building Dept. Invoice 09/04/2020			286.88	(5,325.29)
09/08/2020	CR	RCPT	Building Dept. Invoice 09/08/2020			298.72	(5,624.01)
09/30/2020	CR	RCPT	Building Dept. Invoice 09/30/2020			4,113.50	(9,737.51)
09/30/2020			01-00-310-402	END BALANCE	0.00	4,699.10	(9,737.51)