



City Council Study Session Agenda
May 22, 2023 - 5:00 PM
City Council Chambers, City Hall, 3rd Floor,
1528 Third Avenue, Rock Island, IL

https://youtube.com/live/HCPpNvyU_PA

- 1. Call to Order**
- 2. Roll Call**
- 3. Pledge of Allegiance**
- 4. Moment of Silence**
- 5. Public Comment**
- 6. Presentations**
 - a. Presentation from the Public Works Department - Refuse Collection Efficiencies
 - b. Presentation from Augustana College and the Public Works Department - Lead Service Line Replacement Project
 - c. Presentation from Family Resources and Rock Island Police Chief Landi - Group Violence Intervention (GVI)

7. Adjourn

Motion to Adjourn

Motion: Motion whether or not to adjourn.

RC Roll Call vote is needed.

This agenda may be obtained in accessible formats by qualified persons with a disability by making appropriate arrangements from 8:00 am to 5:00 pm, Monday through Friday, by contacting the City Clerk's Office at (309) 732-2010 or visiting in person at: 1528 Third Avenue, Rock Island, IL 61201.

Refuse Collection Efficiencies Study Session

Presented by:
The Public Works Department

Agenda

- Services
- Resources
- Operational Inefficiencies
- Recommendation
- Impact
- Benefits
- Questions

Services

- Automated Refuse
- Manual Refuse
- Yard Waste
- Recycling
- Special Pickups/City Stops
- Leaf Collection

Services

Automated Refuse

- Automated
- 14,034 Customers
- Automated Refuse is collected 5 days a week. Each day is divided into 3 routes of roughly 800-900 stops
- Incentive Route

Manual Refuse

- Manual
- 443 stops
- Collected on Wednesday
- Incentive Route

Services

Yard Waste

- Manual Collection
- 1020 customers
- Collection Day – M, T, W, TH
- Thursday added for the 2023 collection season
- Incentive Route

Recycling

- Manual Collection
- 3708 customers
- Collection Day – T, W, TH
- Contracted through Republic Services

Services

Special Pickups

- Manual Collection
- 20-25 stops per day
- TH, F
- Non-Incentive

City Stops

- Manual Collection
- 20-25 stops
- TH, F
- Non-Incentive

Services

Leaf Collection

- Seasonally (Spring and Fall)
- Collected on the residents trash collection day
- No Incentive
- Takes multiple trucks and require equipment rental and seasonal labor

Resources

Equipment	Labor
<ul style="list-style-type: none">• Four Automated Trucks	<ul style="list-style-type: none">• MSD Supervisor (also oversees streets)
<ul style="list-style-type: none">• Two Rear Loaders	<ul style="list-style-type: none">• One Crew Leader
<ul style="list-style-type: none">• One 1-Ton	<ul style="list-style-type: none">• Six refuse operators
<ul style="list-style-type: none">• Two Roll-Off Trucks	<ul style="list-style-type: none">• Street department employees during leaf season and shortfalls

Operational Inefficiencies

Continuity of collection schedule	Issues
• Trash on Friday	• More misses
• Recycling on Thursday	• Resident confusion
• Yard Waste on Wednesday	• More phone calls to Public Works
• Leaf Collection on Friday	• Inefficient collection
	• More wear and tear on equipment
	• Employee fatigue – Work Comp – Opportunity Cost
	• \$\$\$\$\$\$

Operational Inefficiency Cont.

Leaf Season and Yard Waste

- Overlapping of the seasons
- One truck going around picking up yard waste customers
- Another truck or trucks going around picking up leaf bags
- Both trucks are driving past one another's customers

Wednesday Manual

- We have two rear loaders
- One is on yard waste
- One is on manual stops
- No truck available for leaf collection
- Rent a truck? Sometimes one is not available

Operational Inefficiency Cont.

Wear and tear on equipment

- Equipment is utilized daily
- Automated trucks never get a break
- There is little down time for equipment to get preventative maintenance

Recommendations

- Modify Collection schedule to four days a week. Monday - Thursday
- Automated drivers will work 10 hour days and will pick up around 1000 – 1100 stops
- Three Automated employees will work M-Th (still a 40 hour work week)
- Remaining refuse employees will remain unchanged

Impact

Customers

- 6820 Customers will be impacted
- 46%

Benefits

- Solid waste, yard waste and leaf collection will all sync up
- All of Friday will be available to perform preventative maintenance on trucks
- Non-route functions like special pickups, manual collection abatements and other miscellaneous functions can be performed on Fridays
- No weekend pickups for most Holidays
- **More efficient leaf season collection, no equipment rental, less overtime, less seasonal labor**
- Better Employee retention

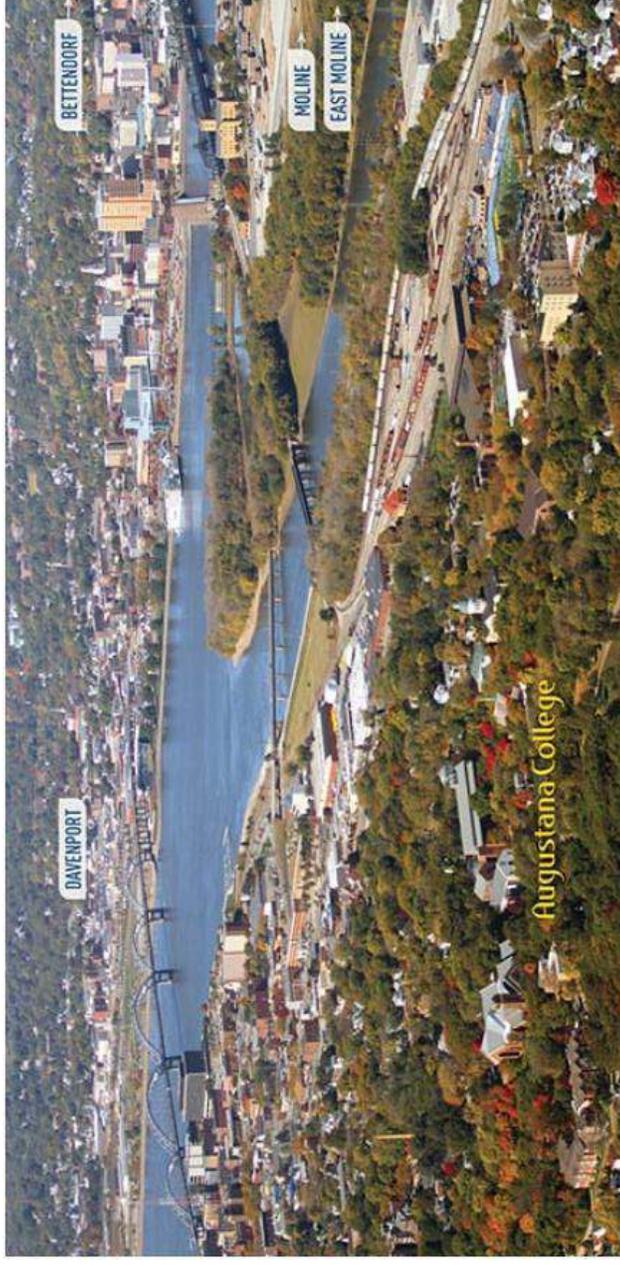
Questions

Rock Island Lead Service Line Replacement Project

Michael Reisner, Director Upper Mississippi Center for Sustainable Communities

Kimberly Murphy, Director Center for Advancement Community Health and Wellness

Jenny Arkle, Program Manager Upper Mississippi Center for Sustainable Communities



Augustana College

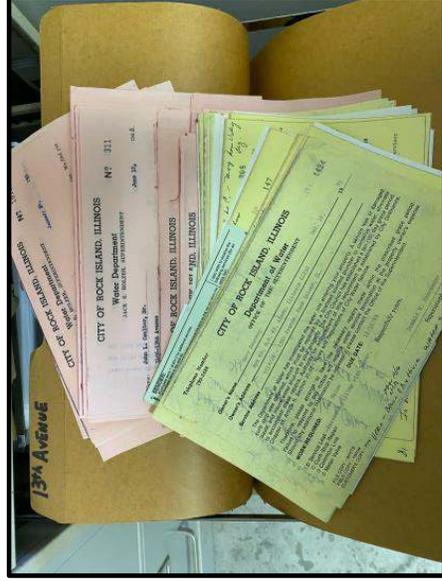
Outline

1. **Overarching goals of partnership**
2. **Progress to date (since August)**
3. **Inventory highlights**
4. **Next steps - short and long-term goals**
5. **How we could use your help**



Partnership Objectives

- **Compile & integrate all existing information & data Lead Service Lines (LSLs) materials (fall 2022-team dozen students; completed)**
- **Produce an updated inventory of remaining LSLs-geodatabase (fall-winter; nearly complete)**
- **Build & evaluate a predictive model of unknown LSLs (in progress)**
- **Determine LSL material by collecting data via self-verification and student-led verification sampling of low, moderate, and high risk homes (summer 2023); validate & refine predictive model**
- **Propose equitable financing & replacement plans (in progress; 2023-2024)**



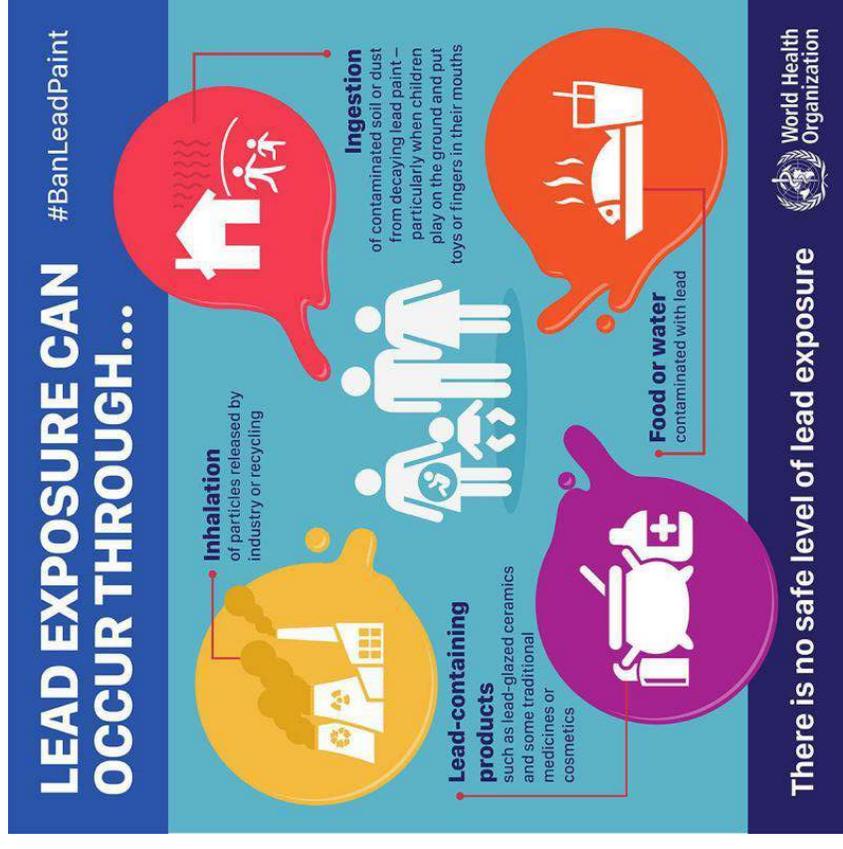
Water Permit
Archive



Fig. 3. An example of interpolating public CBI using the fitted function to its semivariogram. The existing observations are on the left, and interpolations for the other households are illustrated on the right. Darker and lighter coloring indicates a higher and lower probability of lead, respectively.

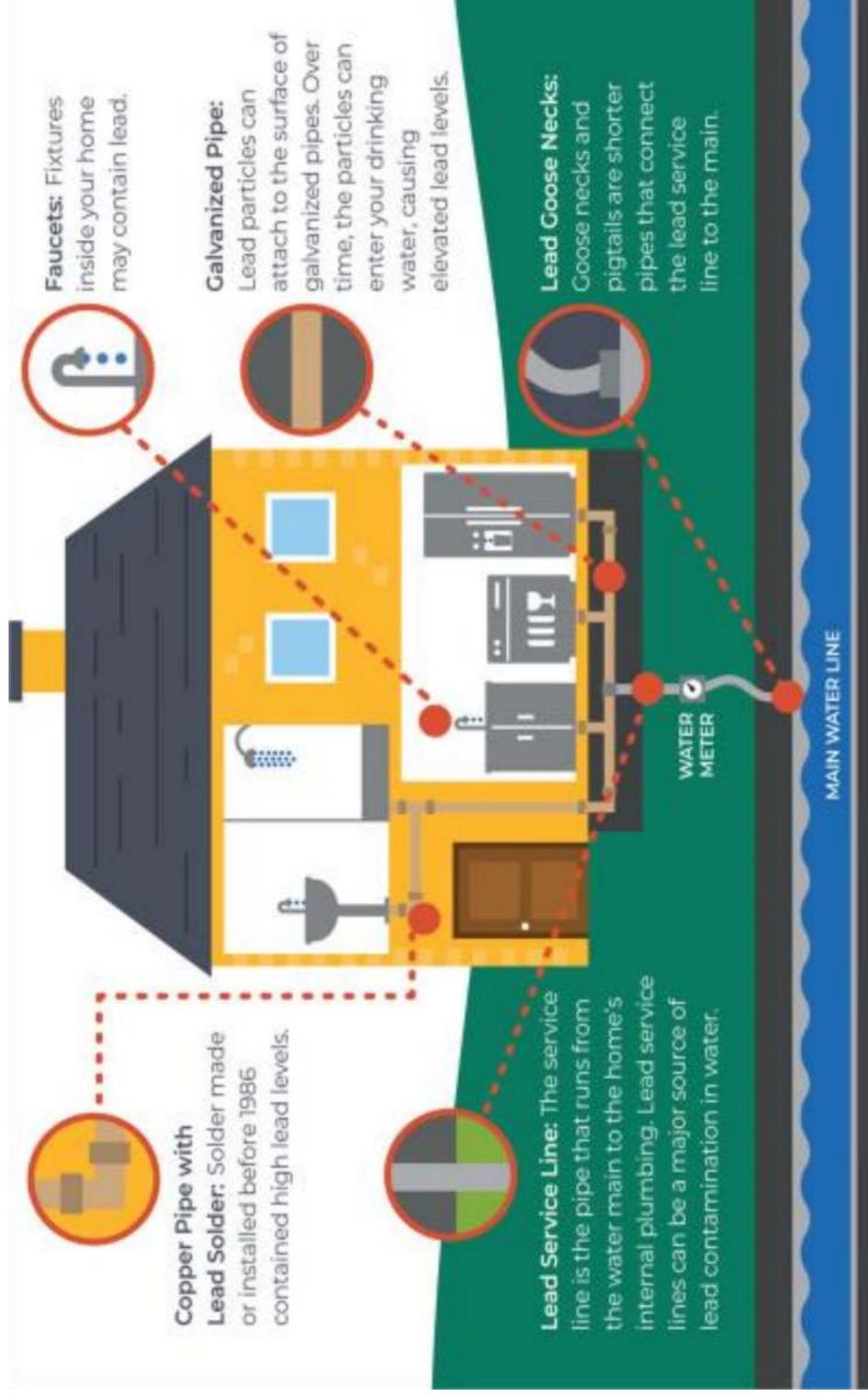
Intractable Problem: Lead Exposure

- Lead-based paint and contaminated dust most important causes of lead poisoning in children
- Lead service lines & related fixtures also important source lead exposure
- Challenge: ownership of LSLs split between homeowner and city-utility (led to partial replacements)
- Requires logistical coordination & creates funding challenges
- LSL replacement range \$5,000 to \$12,000 per service line



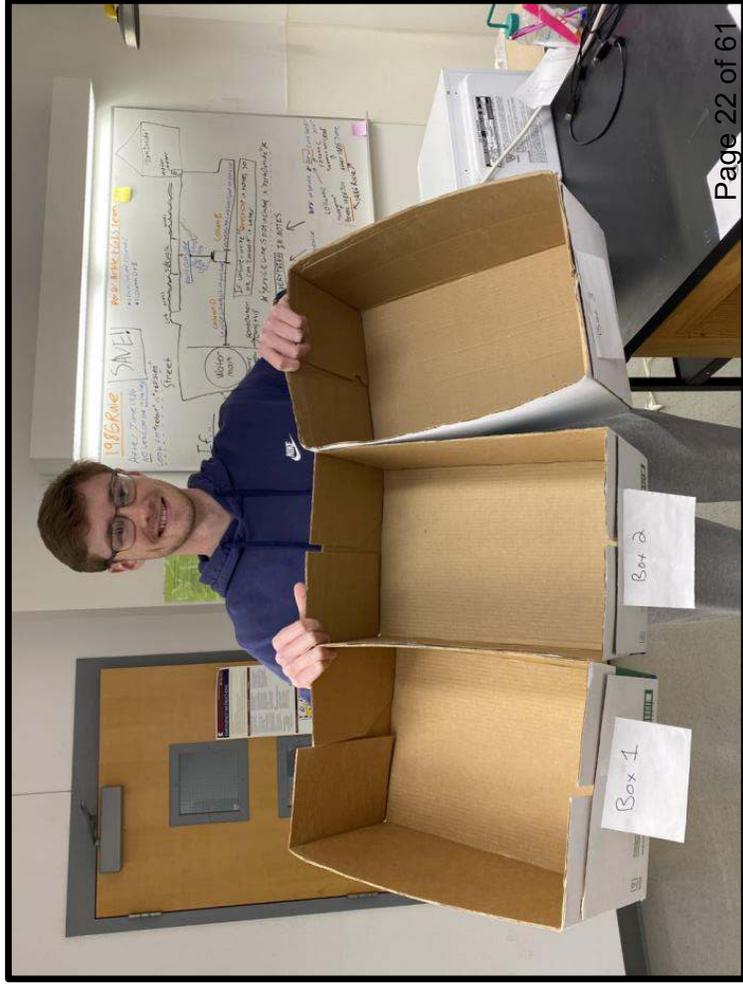
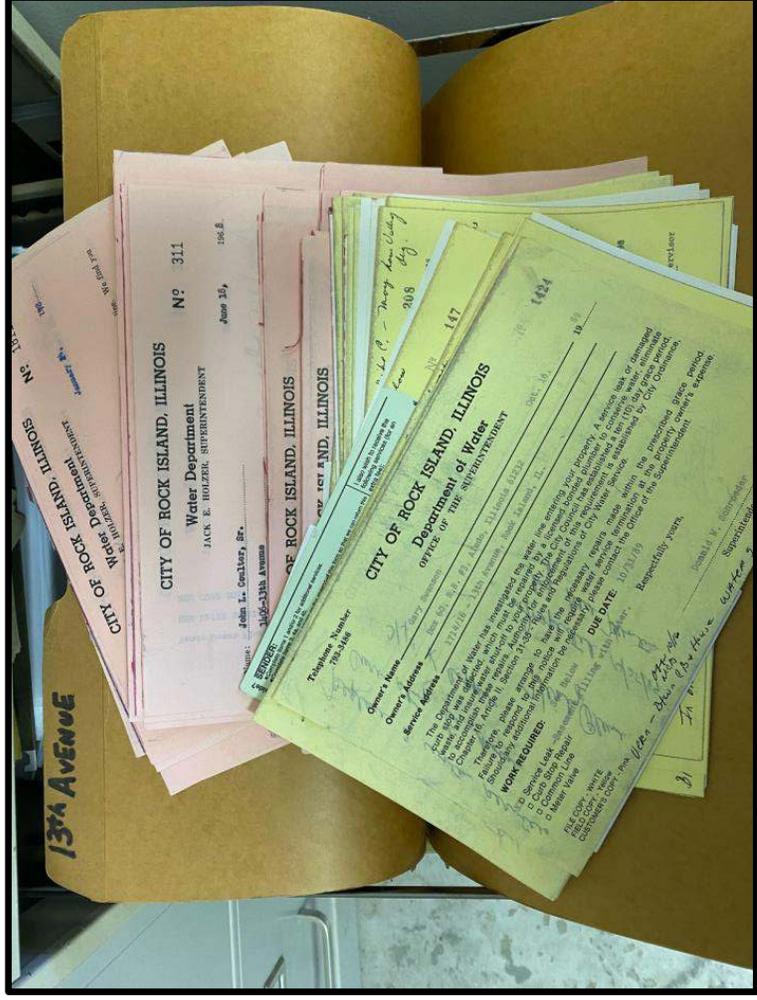
What is a water service line? Rock Island's unique ownership

Water service lines are underground water pipes that connect a building's internal plumbing to a source of drinking water, such as a city water main.

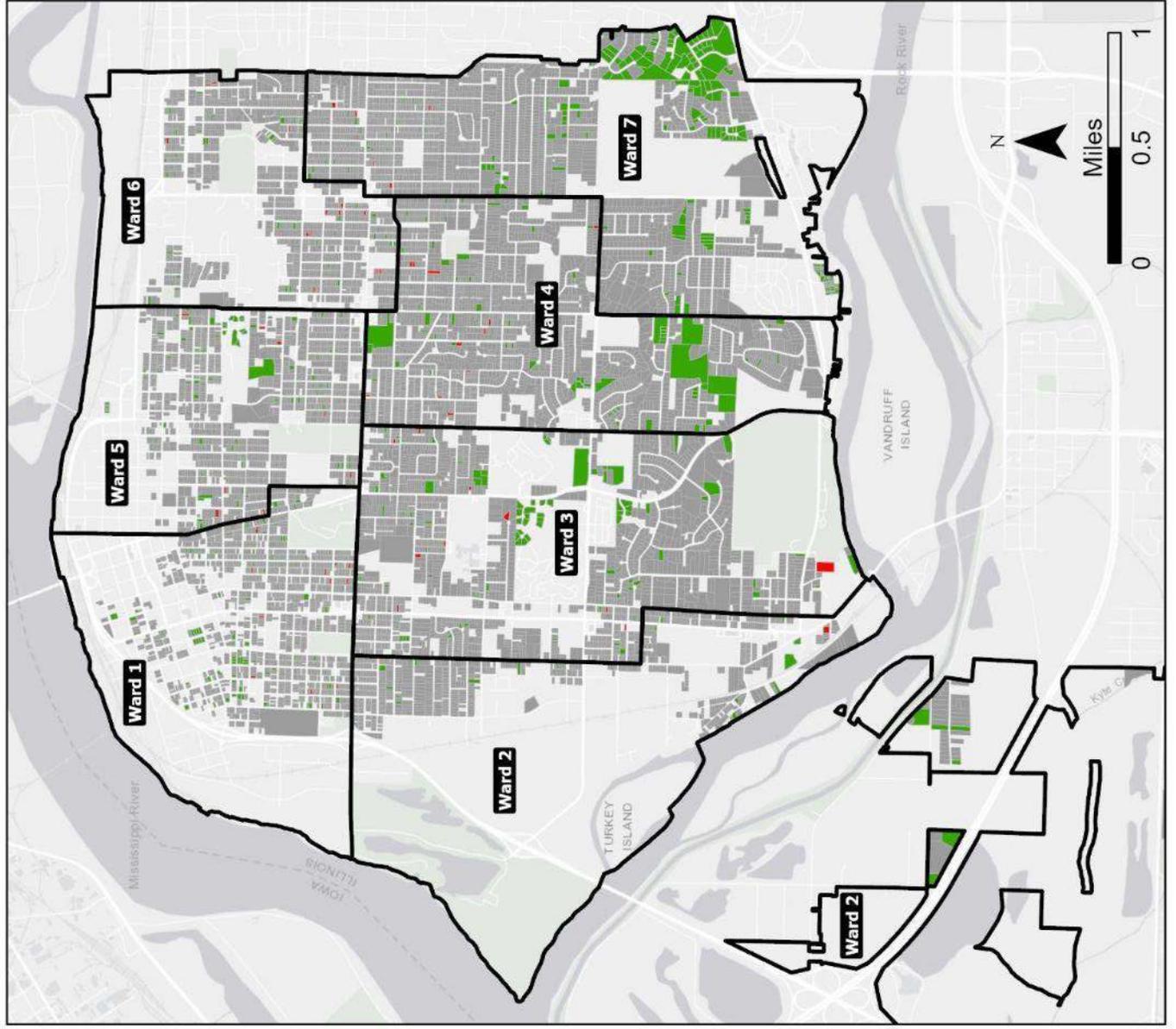


Water Department Inspection Reports

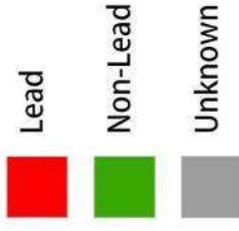
- Compiled and integrated information for > 4000 historical inspection reports
- Confirmed material type for about 2400 additional service lines (partial); know material but not material that was replaced; curb box to main line



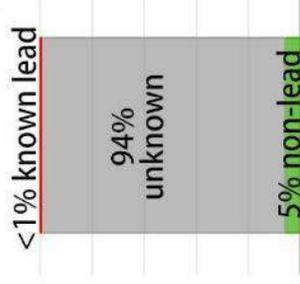
Currently Known Material of Service Lines



Material of Service Lines



Percentage in City

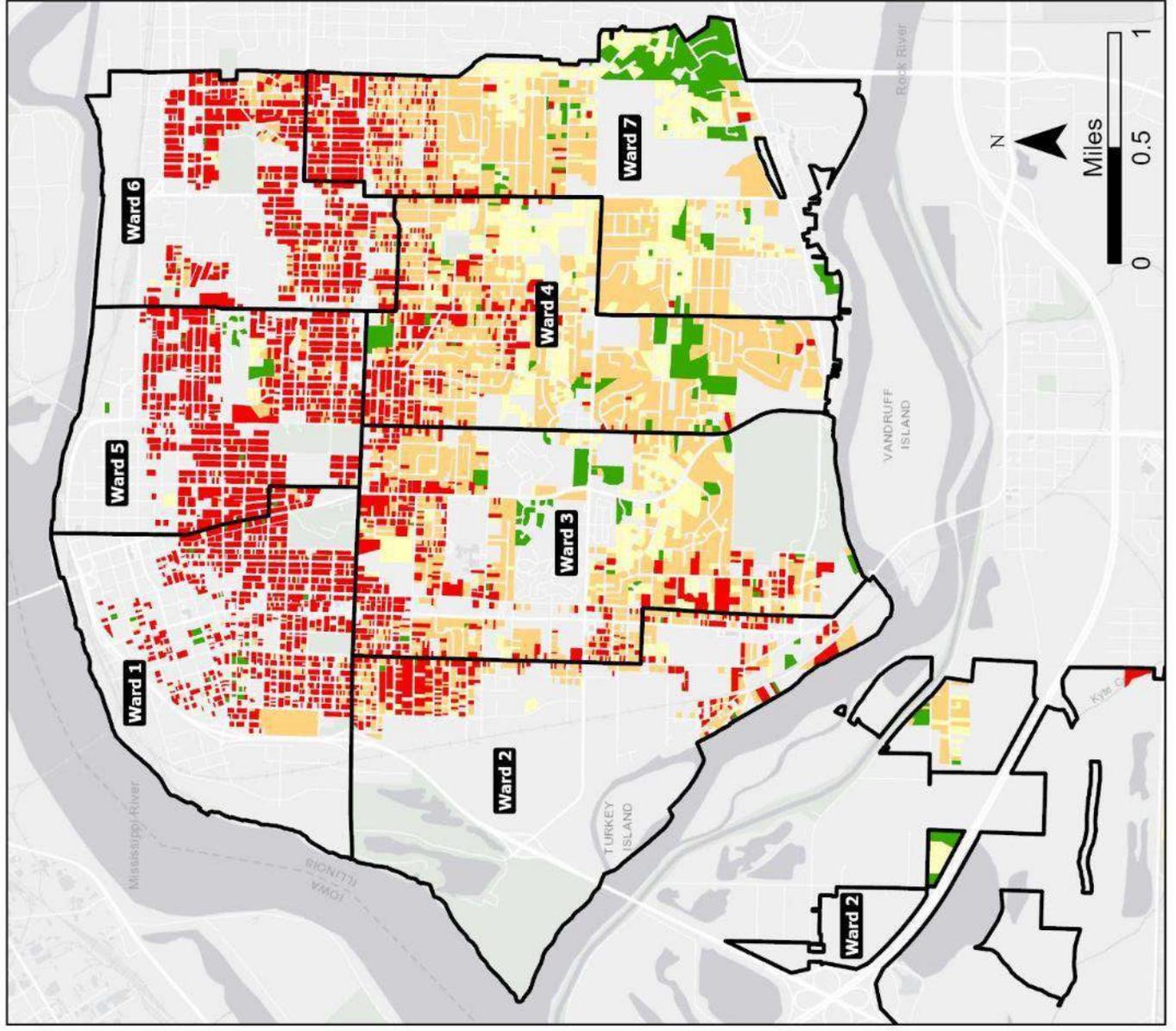


Percentage in Wards



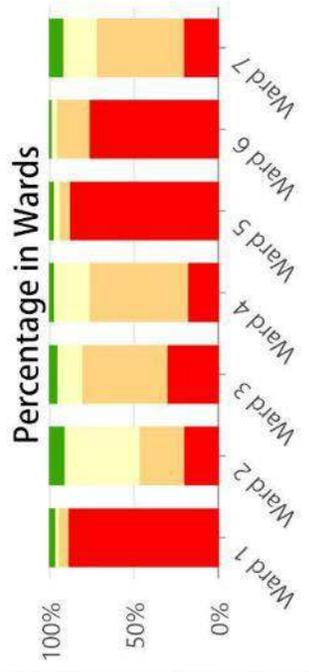
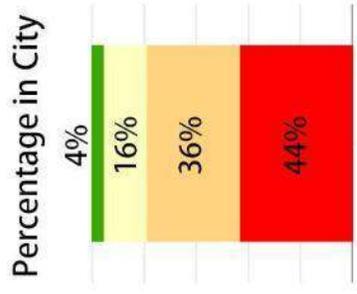
Date: May 17, 2023
 Credits: Augustana College & City of Rock Island partnership through the Upper Mississippi Center (UMC)
 Data: City of RI 2018-2022, UMC 2022-2023, U.S. Census 2020-2022 Demographics
 Basemap: City of Davenport, Iowa DNR, Esri, HERE, Garmin, USGS, EPA, NPS

Likelihood of Lead SL based on Home Age



**Home Age
(Likelihood of Lead SL)**

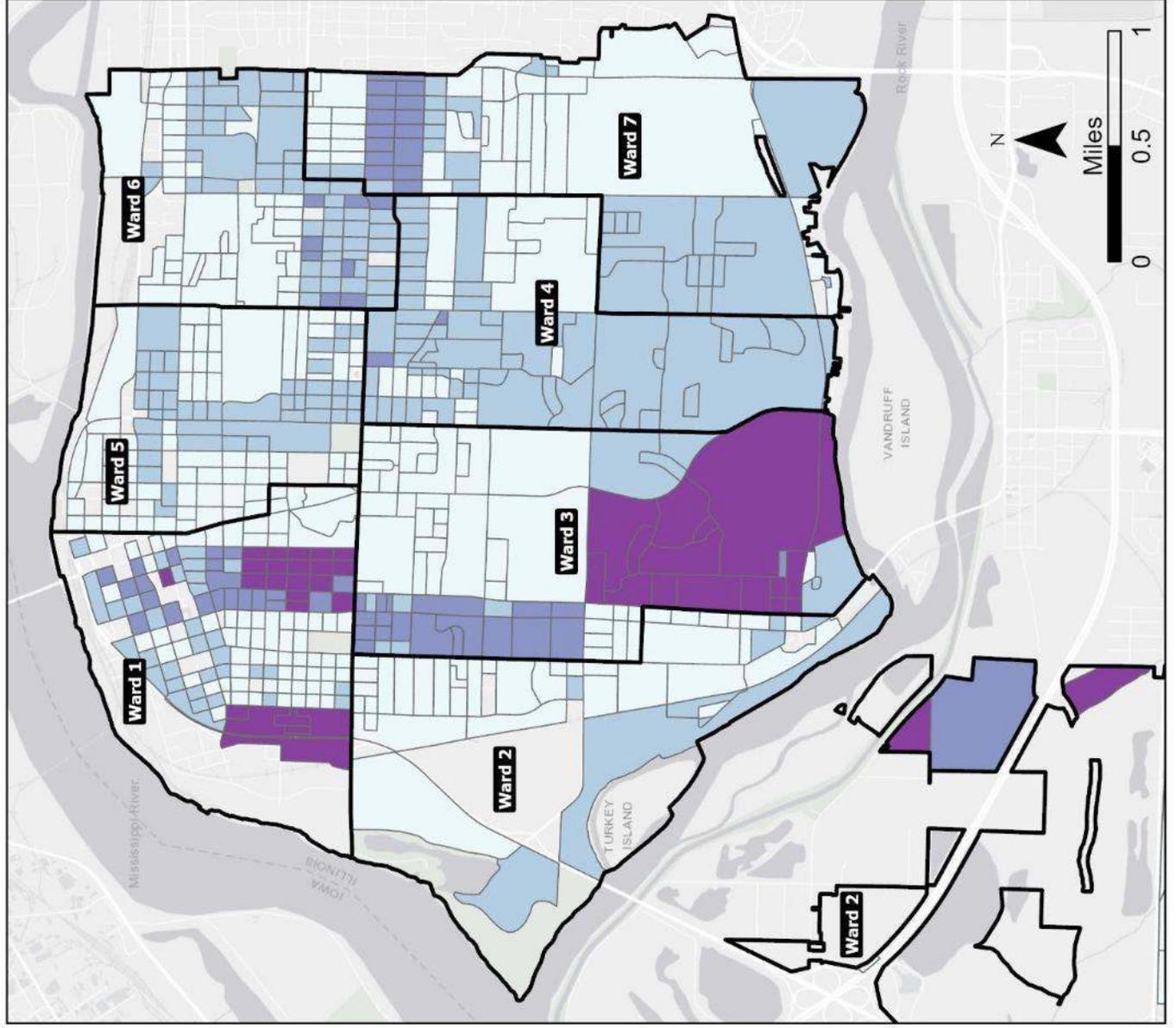
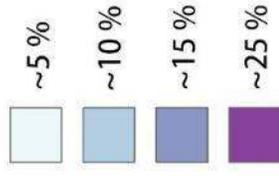
- 1987-2020 (Unlikely)
- 1961-1986 (Low)
- 1931-1960 (Moderate)
- 1851-1930 (High)



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Vulnerability: Children >5 years

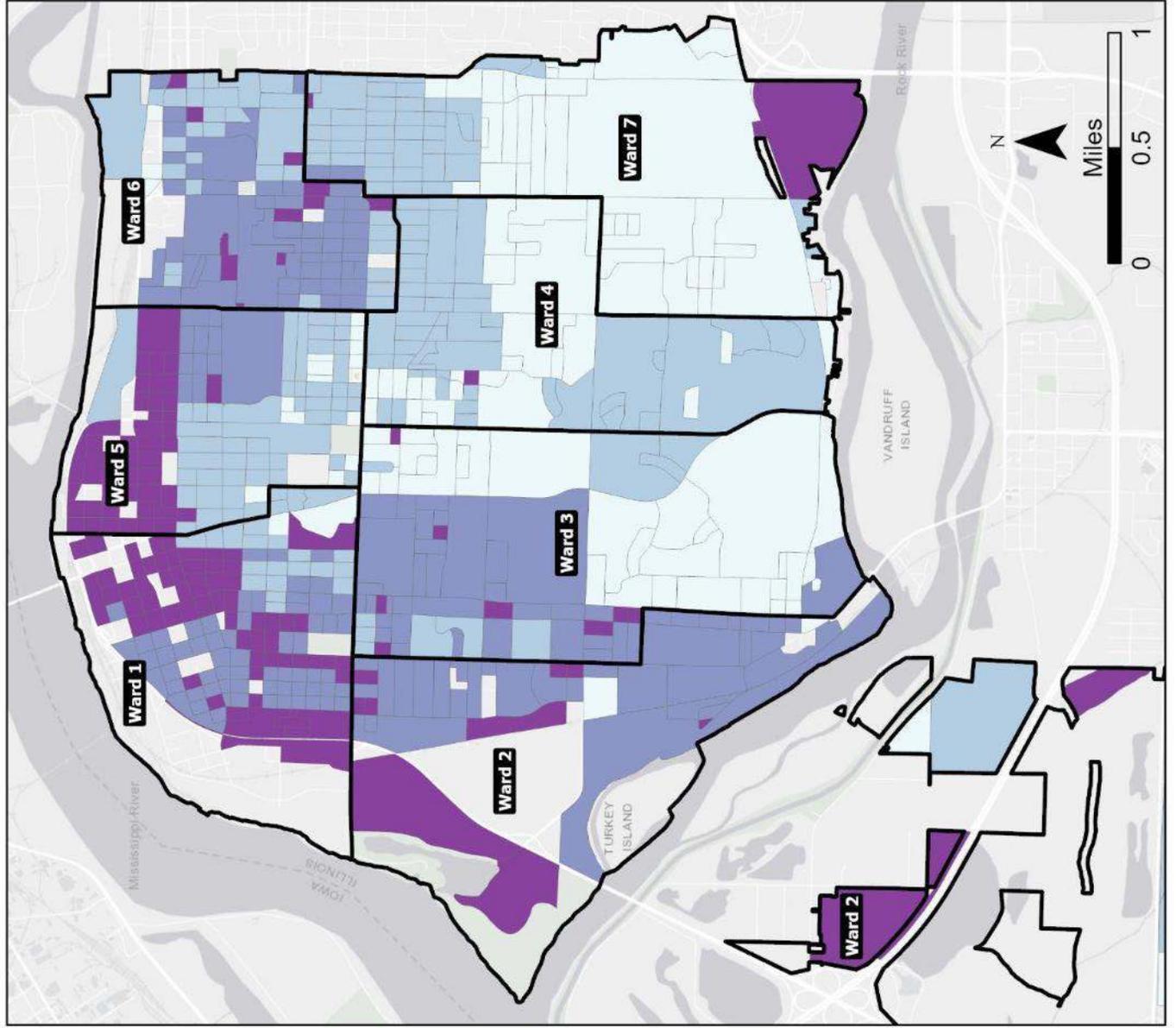
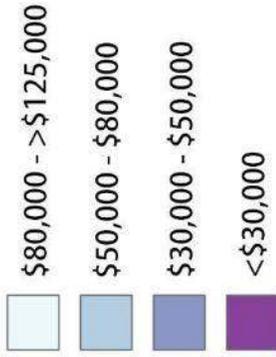
Percent of Children >5 years
(by U.S. Census Block)



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Affordability: Median Household Income

Median Household Income
(by U.S. Census Block)



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Data: City of RI 2018-2022, UMC 2022-2023, U.S. Census 2020-2022 Demographics
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Next Steps This Summer: Reduce the Number of Unknowns

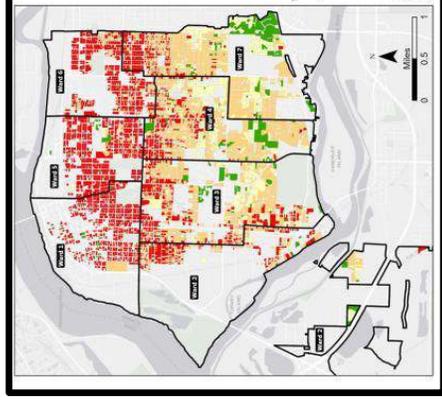
1. Self-verification: residents verify service line material via a survey on ESRI Hub



1. Student-verification: student researchers verify representative sample of residences



1. Predictive modeling: develop & validate a model for remaining unknowns



Next Steps This Summer: Begin Discussions of Fair Financing & Replacement Plans

- 1. Define what we mean by high risk areas (in addition to number of LSLs, but also neighborhoods with high percentages of children)**
- 1. Identify affordability criteria for prioritizing public funds to cover replacement costs (median household income, unemployment rate, poverty rates, etc.)**
- 1. Identify other accessibility and vulnerability issues that need to be addressed in replacement plan**

<https://rigov.org/lead>

The screenshot shows the top portion of the City of Rock Island website. On the left is the logo for "THIS TOWN ROCKS" with "ROCK ISLAND ILLINOIS" below it. To the right of the logo is a navigation menu with the following items: "Government", "City Services", "Community & Recreation", "Business", and "About Rock Island". A search bar with the text "Search..." and a magnifying glass icon is located in the top right corner. Below the navigation menu is a large, wide photograph of a modern building with a glass facade, illuminated at night.

This screenshot shows the main content area of the "Lead Service Lines" page. At the top left, there is a breadcrumb trail: "Home > City Services > Water, Sewer & Stormwater > Water & Sewer > Water > Lead Service Lines". Below this is the page title "Lead Service Lines" and a sub-header "Lead Service Line Inventory". A section titled "REPORT YOUR TYPE OF WATER SERVICE LINE" contains two paragraphs of text. The first paragraph states that the City of Rock Island has partnered with Augustana College for a service line material inventory. The second paragraph explains the purpose of the Act and the inventory process. A final paragraph notes that all water customers are required to report their service line type. At the bottom right, there is a "Select Language" dropdown menu. On the left side of the page, a vertical list of menu items is visible, including "Boil Orders", "Cross Connection Control Program", "Annual Water Quality Report", "Water Conservation", "Water Main Locations", "Water Service Repair Program", "Lead Service Lines", and "Fire Hydrant Flushing Program".

Home > City Services > Water, Sewer & Stormwater > Water & Sewer > Water > Lead Service Lines

Lead Service Lines

Lead Service Line Inventory

REPORT YOUR TYPE OF WATER SERVICE LINE

The City of Rock Island has partnered with Augustana College to provide professional services related to the development of a Service Line Material Inventory in compliance with the Illinois Public Act 102-0613 (referred to as the Lead Service Line Replacement and Notification Act).

The purpose of the Act is to require the owners and operators of community water supplies to develop, implement, and maintain a comprehensive water service line material inventory and ultimately after the inventory identifies the objective playing field, a Comprehensive Lead Service Line Replacement Plan.

Phase I is to develop a water service line inventory. **All water customers are required to REPORT YOUR TYPE OF WATER SERVICE LINE.** This will identify what type of service line material (lead, copper or galvanized) is at each property.

Boil Orders

Cross Connection Control Program

Annual Water Quality Report

Water Conservation

Water Main Locations

Water Service Repair Program

Lead Service Lines

Fire Hydrant Flushing Program

Select Language

Verification Survey 1

Please complete the form to submit the material of your water service line.

Resident Information

First Name*

Last Name*

Property Address (street, city, state)*

(example: 639 38th Street, Rock Island, Illinois)

Account Number (optional)

Please enter the account number found on your water bill.

Verification Survey 2

Type of Occupancy (optional)

Owner

Renter / Tenant

Property Manager

Phone Number (optional)

If you are unsure of the material that your water service line is made of, please enter your phone number and a representative will contact you.

() -

Email (optional)

If you are unsure of the material that your water service line is made of, please enter your email and a representative will contact you.

Water Service Line Material*

Based on the appearance, testing, or existing records, please select the appropriate material of your water service line.

See below for help with identification "How to Identify My Water Service Line Material?"

-Please select-

Verification Survey 3

Add a Photo of your Water Service Line (optional)

If you are unsure of the water service line material, this photo will be used to identify the type for you!

Please try to photograph your service line at a similar scale shown in the example photos:


Drop image here or select image

How to Identify My Water Service Line Material?

How to Identify My Water Service Line Material

[Information on Rock Island Water Services](#)

Follow 3 Steps:



You can test the water service line where it connects to the water meter in the basement.

Follow these steps:

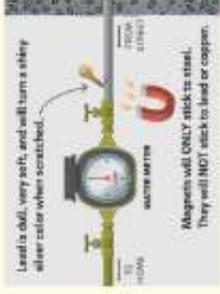
You will need:

- Key
- String
- String
- String
- Magnet

1. Find the water meter in your basement. Look at the pipe that comes through the outside wall of your house and connects to your meter.
2. Carefully scratch the pipe (the pipe you would a lottery ticket) with a key or a coin. Do not use a knife or other sharp tool. You can not be make a hole in the pipe. If the scratch turns a shiny silver color, it could be lead or steel. **NOTE: If pipe is painted, use sandpaper to remove the paint first.**
3. Place the magnet on the pipe. If a magnet sticks, it is a steel pipe.

Other ways you can check for lead:

- **Lead test kits can be purchased at your local hardware or home improvement stores. They are not as accurate as the pipe is made from - not for water inside. Look for an EPA recognized kit.**



Lead is dull, very soft, and will turn a shiny silver color when scratched.

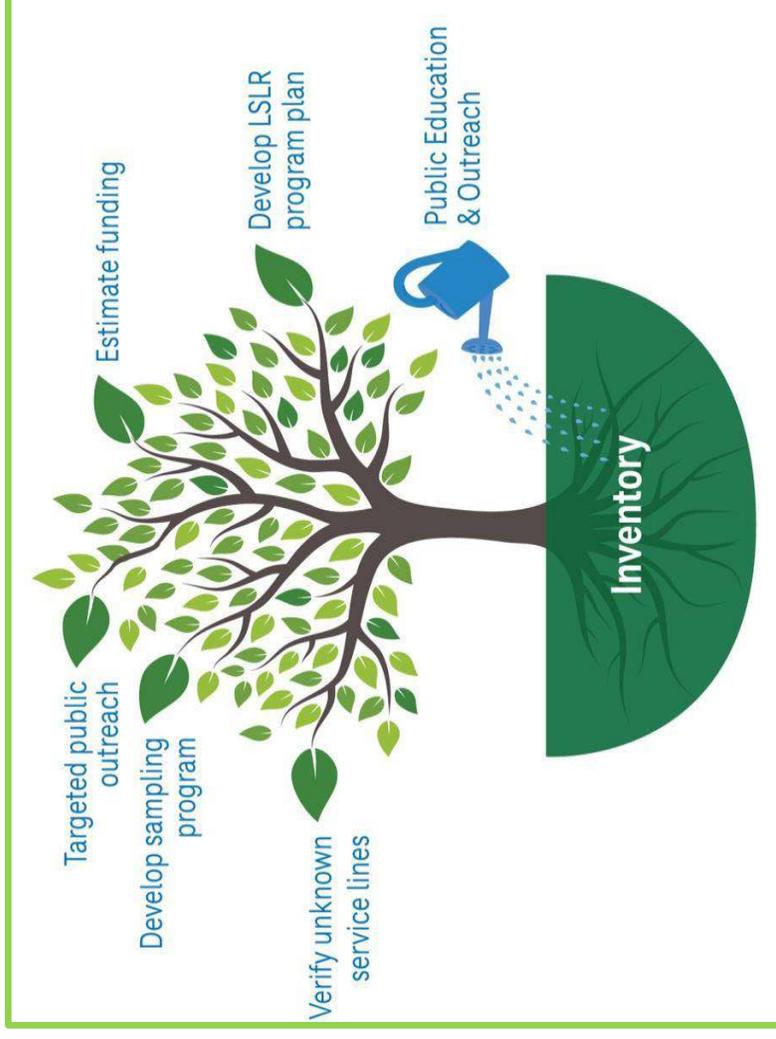
Water service

Magnets will ONLY stick to steel. They will NOT stick to lead or copper.

Submit

Next Steps This Fall

- Evaluate alternative sources of financing to fund replacements in an equitable manner while prioritizing highest risk, most vulnerable neighborhoods
- Formulate criteria to prioritize neighborhoods with high risks and high vulnerability as part of an initial replacement plan
- Continue to develop necessary community outreach and engagement plans and related materials



How can you help?

- **Encourage community members to self verify using the survey (share out at meetings, on social media, etc.)**
- **Help Augustana students as they are out in the community this summer verifying a representative sample of unknowns**



ROCK ISLAND
ILLINOIS

Questions?

Rock Island Lead Service Line Replacement Project

Michael Reisner, michaelreisner@augustana.edu

Kimberly Murphy, kimberlymurphy@augustana.edu

Jenny Arkle, jennyarkle@augustana.edu



**Group Violence
Intervention**

**Tee LeShoure
Family Resources
Director of Community Violence
Intervention and Engagement**

Police: 12-year-old boy dead after shooting in Davenport Thursday

The Davenport Police Department confirmed on Friday afternoon a 12-year-old boy died in a shooting in the 1300 block of Marquette Street Thursday.

Shooting death of Jamon Winfrey

Davenport Police Chief: 14-year-old boy found shot to death Thursday was believed involved in the previous day's shooting

Police recover nearly 80 bullet casings after Redstone Parking Ramp shooting

1 dead, 3 injured in Sunday shooting on W. 3rd Street, Davenport; 1 shot in The District

Davenport mayor announces task force to combat violent crime

The City of Davenport has been working to fight juvenile crime and violent crime for years.

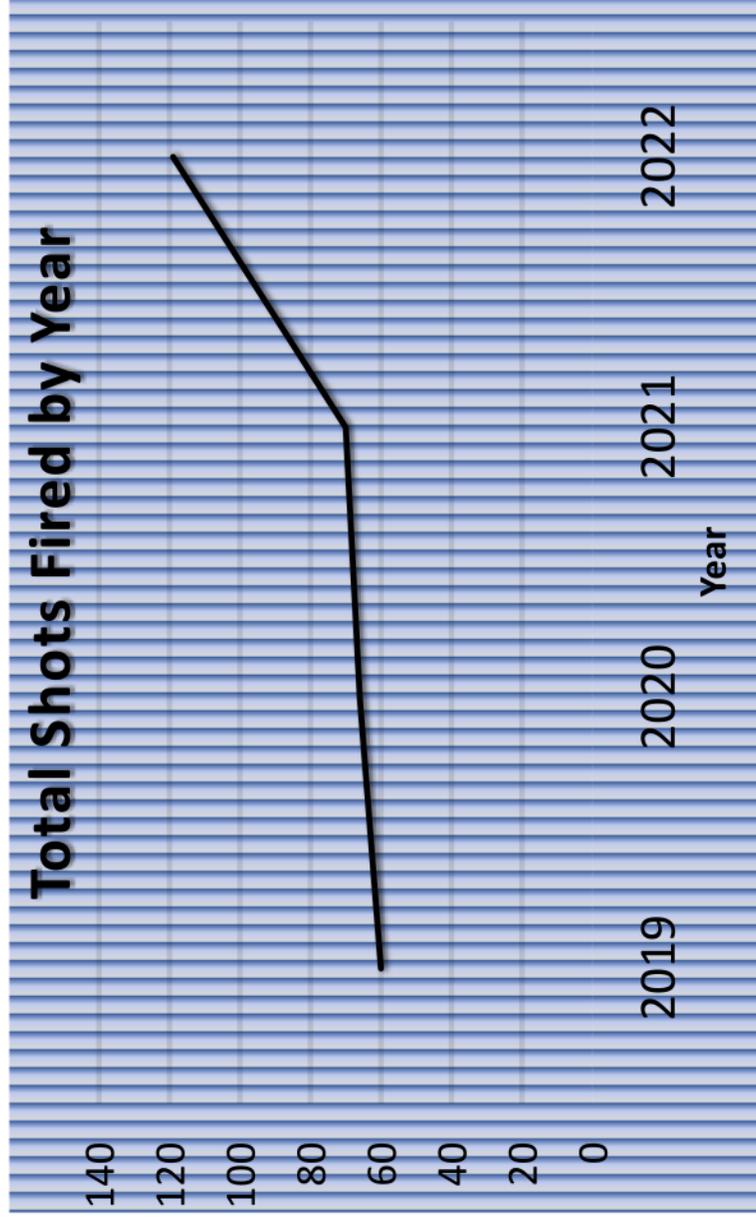
UNDERSTANDING THE PROBLEM

Gun and Violent Crime

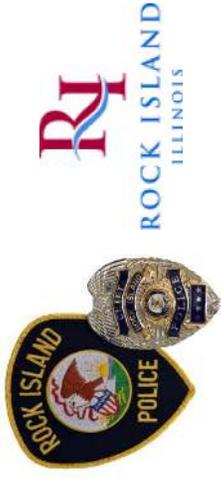
Gun Violence 2019 - 2022



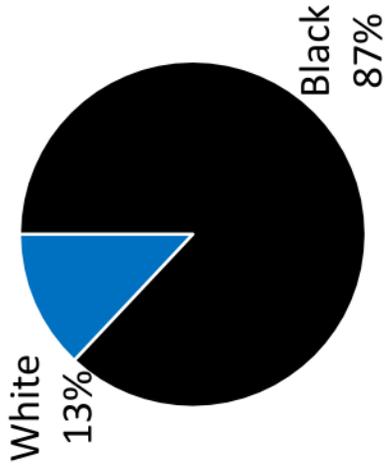
- 2019 – 2020
 - 10% increase
- 2020 – 2021
 - 6% increase
- 2021 – 2022
 - 70% increase



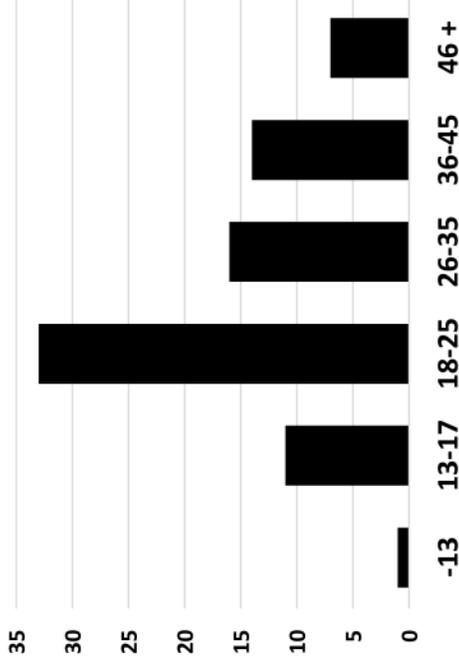
Victimology 2019 - 2022



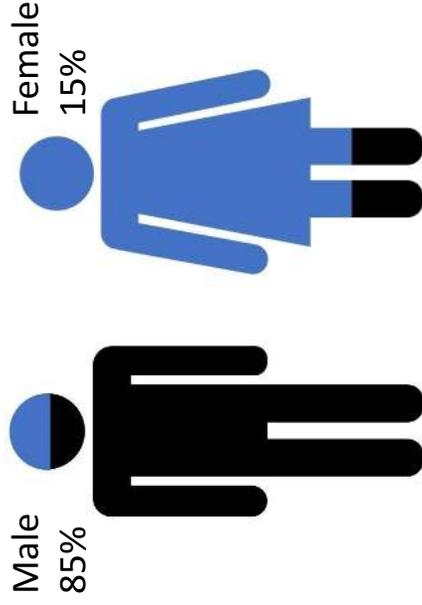
Shooting Victims by Race



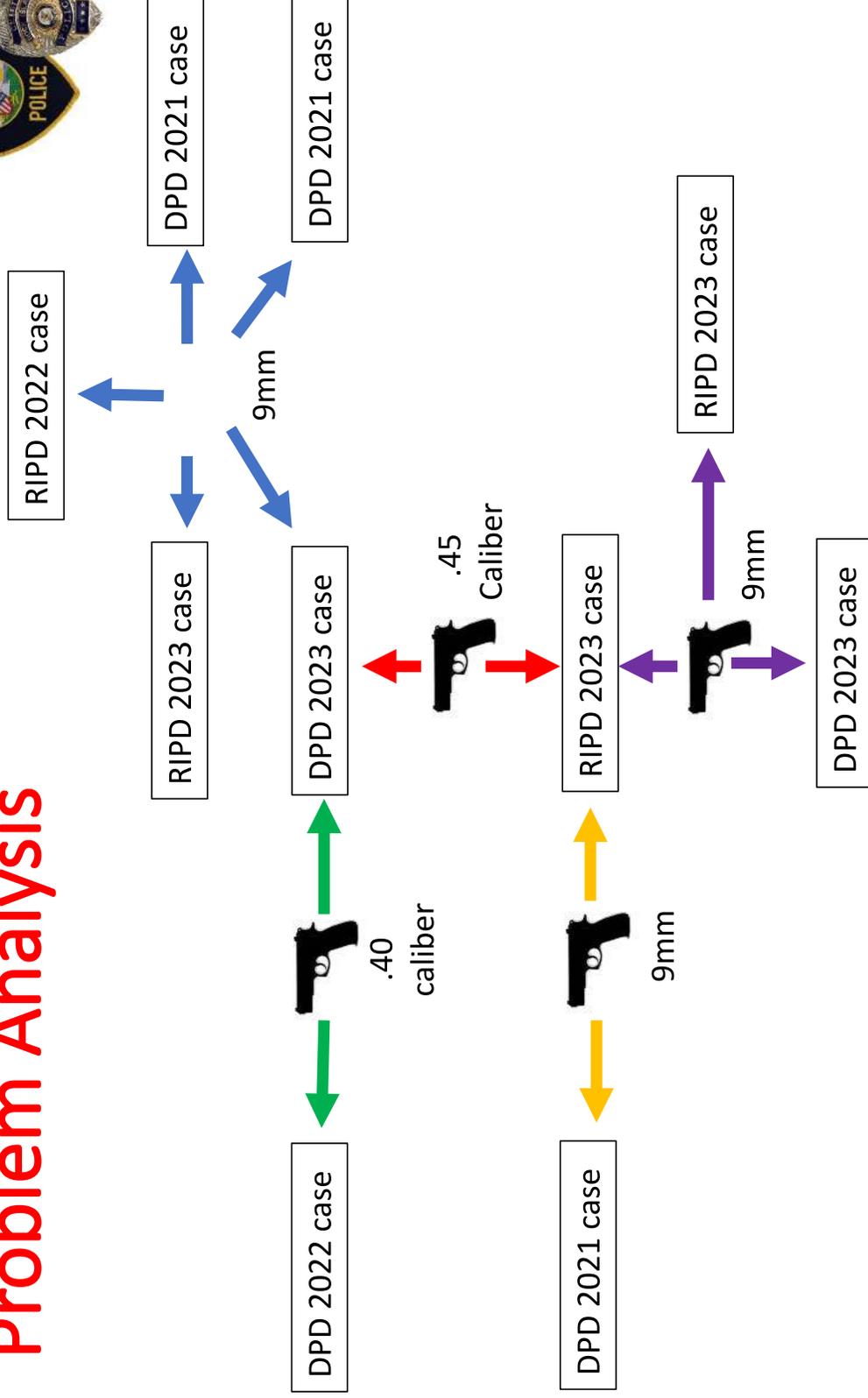
Shooting Victims by Age Group

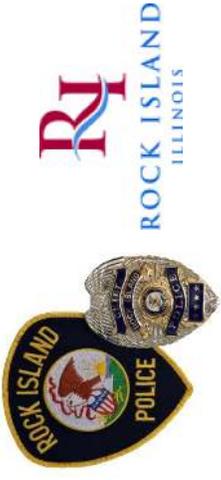


Shooting Victims by Gender



Problem Analysis





Spatial Concentration 2022 Confirmed Shots Fired

What if we told you there is a
proven path to reducing violence
TOGETHER?

Intervention



What it is and who's behind it

GVI is an evidence-based and proven approach to dramatically reduce homicides and gun violence when community members stand and act together with law enforcement and social service providers to focus on individuals that are at highest risk of violent offending or victimization.



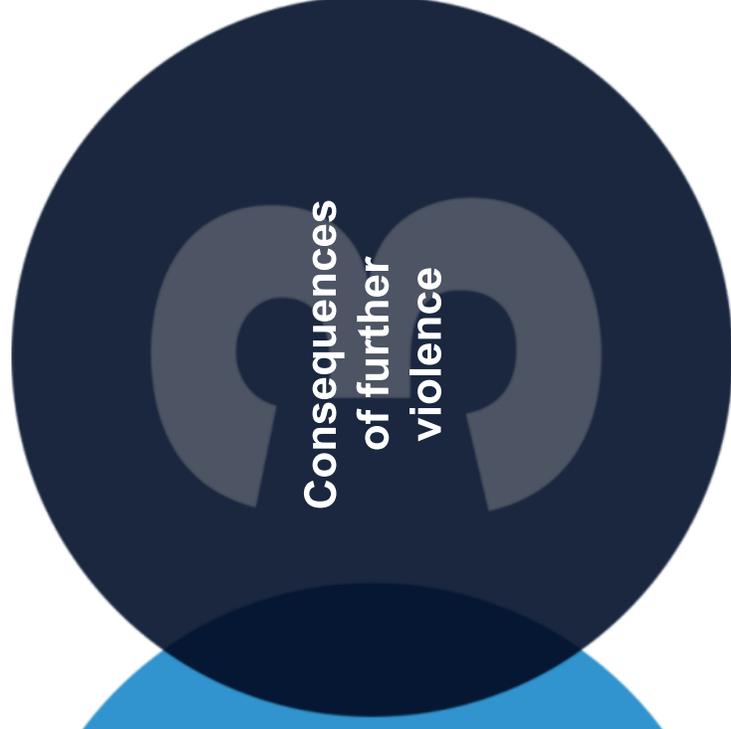
THE POWER OF THREE



Credible moral
voice rallying
against violence



Genuine
offer of help



Consequences
of further
violence

HOW IT WORKS

Identify in real time small numbers of the highest risk people and groups

Open lines of direct and respectful communication with them

Establish clear standards against violence and for safety and success from people influential with those at highest risk

Offer meaningful support to keep people safe, alive, and out of prison

Reserve strategic consequences as a last resort for if/when groups continue to shoot and kill

Call-In

- Face to face meeting between the GVI partnership and people involved in groups, representing all groups in the GVI area.

Custom Notifications

- Flexible and customizable visits that communicate the GVI message to specific people, often based off recent or anticipated violent incidents.

Community-Police Response to Victims of Violence

- Community-led communication of support and sympathy to recent victims of violence and their families.

COMMUNITY MORAL VOICE

- Clear, direct community stand from respected local figures, parents, ministers, mothers and activists
- Informal social control has greater influence on behavior than formal social control (e.g. criminal justice system)
- The central goal of the community moral voice is to promote informal social control that challenges violent behavior



Dwayne Hodges
Community Partner

How Do We Get the Message Across?

Custom Notifications

- **Is a legal document from Law Enforcement**
- **Gives individualized information about legal risk with continued involvement in violence.**
- **Is an articulated message to group members that they are valued members of the community**
- **And includes an offer of help.**

Support and Outreach Framework : Pillars

- Keeping people safe, alive and out of prison
- Providing affirmative outreach
- Offering protection from risk
- Addressing trauma
- Providing “the big small stuff”
- Linking to traditional services

SOCIAL SERVICES: TO TRADITIONALLY SERVE OR NOT THAT IS THE QUESTION?

- Traditional social services were not necessarily designed to reduce violence
- Traditional social services programs such as
 - Education
 - Life skills
 - Job training and placement
 - Substance abuse and mental health treatment
- Some social services have restrictive conditions for participation.
- The focused on population and their communities have often had negative and discouraging experiences with service providers.

TRUTH It's the "big small stuff" that needs addressed immediately to mitigate crisis and prepare an individual for a better future.

WHY NOT?

- For people involved in group violence, the problems of traditional approaches to social services are:
 - Goals and metrics do not account for anti-violence goals, such as avoiding violent victimization and offending and avoiding arrest and imprisonment. (job retention vs no shootings)
 - Some social services have restrictive conditions for participation.
 - The core street population and their communities have often had negative and discouraging experiences with service providers.

WHY NOT?

- Providers often prefer to work with those who are “ready to change,” and people directly involved with gun violence often are not
- Service offerings—such as education, training, and job placement—are frequently a poor fit with the GVI population’s real-world situation, which is frequently extraordinarily dangerous and chaotic

Support and Outreach Framework: Goals

- Recognize people's progress toward these goals
- Develop new formal measures of success that account for these goals
- **Recognize that street thinking and trauma produce violence** (not lack of work and resources)
- Keep people safe, alive and out of prison



“BIG small Things”

- Low-level but critical resources not commonly taken seriously or budgeted for.
- This includes such capacities as:
 - Clearing outstanding warrants
 - Licensing and ID assistance
 - Phone and mail service
 - Child care
 - Transportation
 - Emergency housing and food assistance
 - Funeral costs – Crime Victims Compensation
 - Navigating bureaucracy

All services are client-led, free and confidential.

Affirmative Outreach Efforts

- Recognize that
 - leaving the streets is, for most, an ongoing process.
 - give special attention to those that have been failed previously by service systems.
- We deliver
 - Deliberate, persistent, and consistent outreach to people involved in violence to foster new relationships and community, mentorship from people with similar pasts to help transition out of the street life.
 - Remove obstacles that have prohibited these individuals from receiving help.
 - Build legitimate community relationships.

Addressing Trauma

- Recognize, honor and address trauma
- Developing treatment resources:
 - Post-homicide support
 - Peer recovery group settings
 - Support Group Settings
 - Counseling and Advocacy Services



Comprehensive Services

- Crisis Response
- Safety Planning
- Immediate Emergency Housing Needs
- Emergency Client Assistance
- Medical Advocacy
- Legal Advocacy
- Systems Advocacy
- Volunteer Programming
- Information and Referrals

All services are client-led, free and confidential.

Grief, Loss, and Trauma Therapy

- Supports survivors in their own journey of grief, loss and trauma.
- Works alongside the survivor through his/her own grief at his/her own pace.
- Individual, family and group counseling available.



Survivor Services programs within Family Resources

- Homicide and Other Violent Crimes
- Braking Traffik
- CAP(Coordinated Assessment Program) - Iowa
- Comprehensive Care Coordination
- Sheltering and Housing
- Domestic Abuse including LGBTQT+
- Sexual Abuses

Questions???