

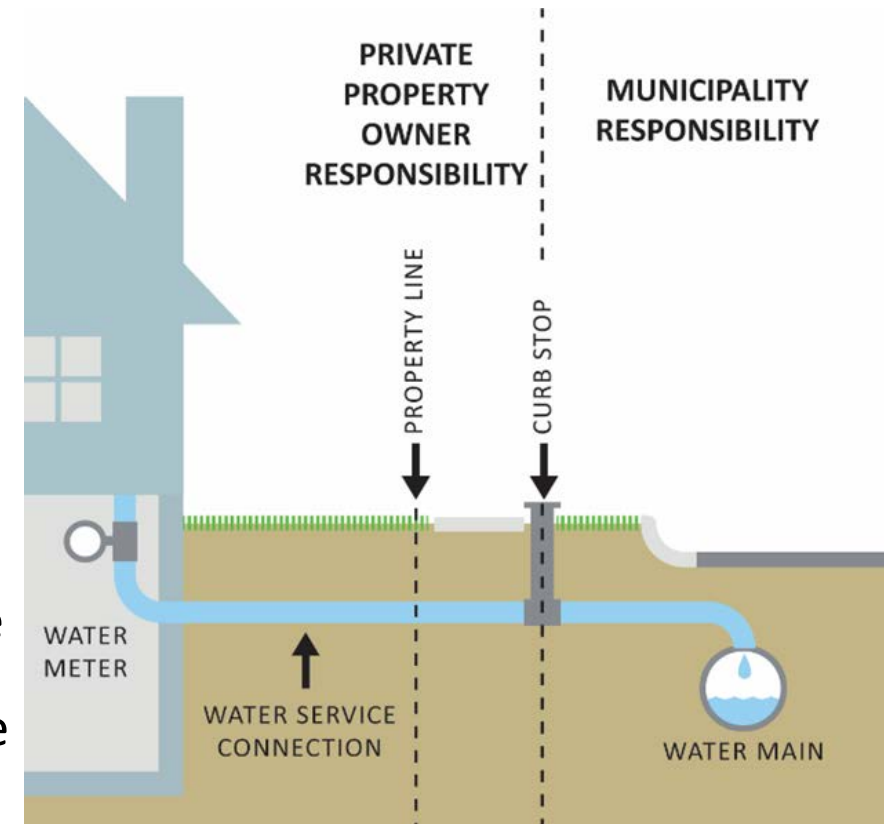


Lead Service Line Inventory Assistance & Mapping in Minnesota

Chad Kolstad – Infrastructure Unit Supervisor

Minnesota LSL General Background

- Anticipate at least 100,000 lead service lines in Minnesota
- Standard Service Line Installation
 - Service lines are buried around 8 – 9 feet deep
 - Most homes have basements
 - Water meters are located in the basement
- Service Line Ownership
 - 70% of municipal CPWS own a portion of the service line
 - 30% of municipal CPWS don't own any of the service line



Minnesota LSL Funding Background

- LSL Funding in Minnesota
 - ~\$40 Million/year from IJA
 - \$240 Million from State general fund
- 10% of funds to be used for LSL inventory assistance
 - Federal – local assistance set-aside
 - State – directly from the appropriation language
- Mapping tool funding from federal LSL TA set-aside

LSL Challenges

- Water Systems
 - Few to no records of service line materials
 - Limited staff resources (lots of small water systems)
 - New regulations are scary and confusing
- State
 - Do not know total number of lead service lines in the Minnesota
 - How to replace all LSL
 - How to address health equity (similar information to all residents of Minnesota)



- Technical Assistance
 - Contract with MRWA to complete monthly LCRR trainings
 - RFP for contractors to assist water systems
 - 18 contractors
 - Engineering firms familiar with DWSRF
- Centralized Data Collection
 - Contract with University of Minnesota
 - State-wide map of service lines



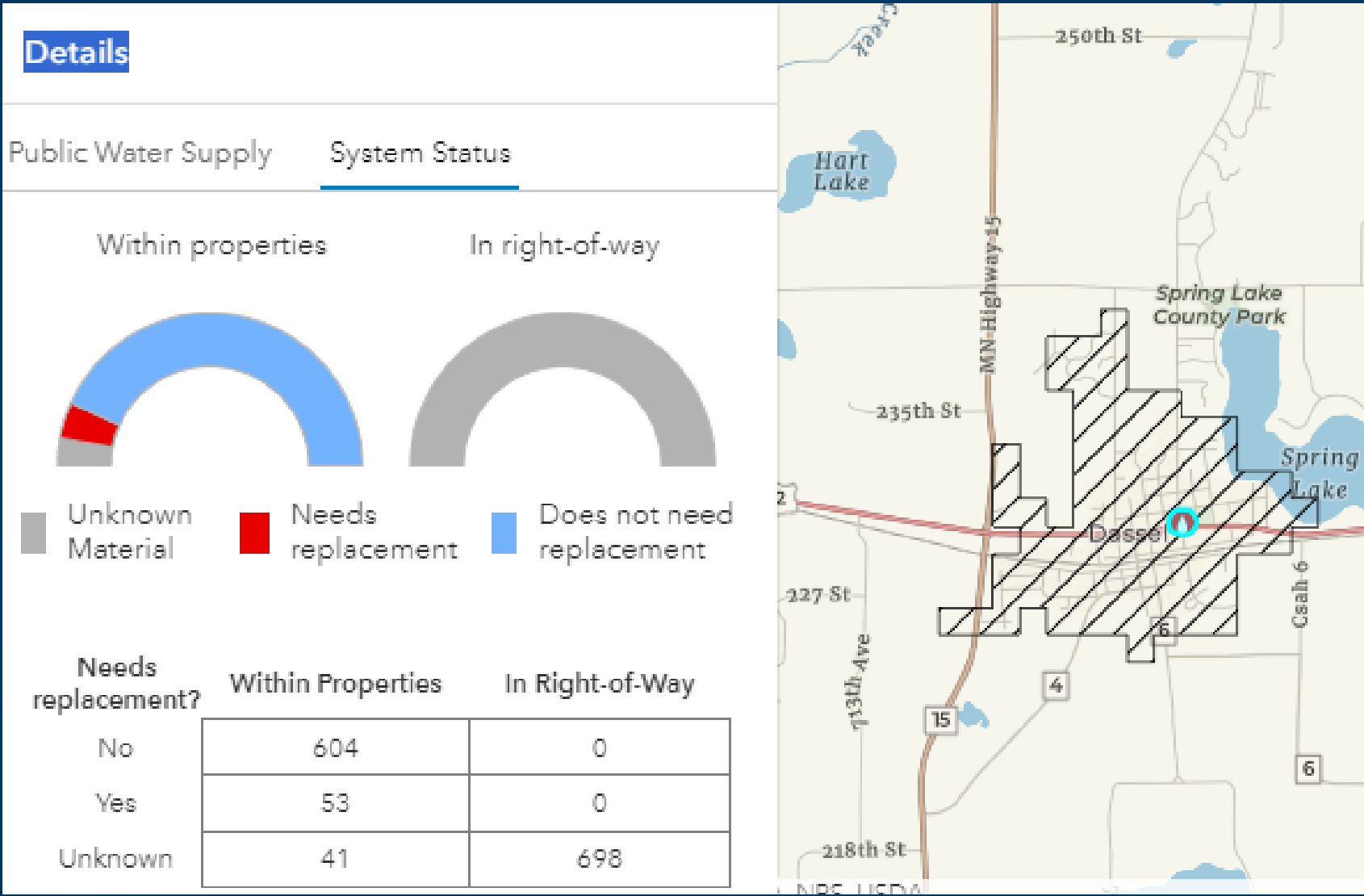
Inventory Technical Assistance Program

- 435 Applicants out of 731 municipal systems
- 12 - 28,000+ service connections
- Priority
 - Systems with active Action Level Exceedances
 - Fewest service connections first
- Records review and/or visual inspection
- Engagement Requests
- Work Orders – work capped at \$75,000
- Completed inventories must be submitted to MDH/U of M by mid-July 2024

Lead Inventory Tracking Tool (LITT)

- Contract with the University of Minnesota
- Statewide map
- Two levels
 - System level – includes a summary of the number of LSLs in the system
 - Residential level
- Residents can search by address to find information about their service line
- Provides customized communication
- Includes a link to the water systems Consumer Confidence Report
- <https://maps.umn.edu/LSL/>

LITT at System Level




LITT at Residential Level

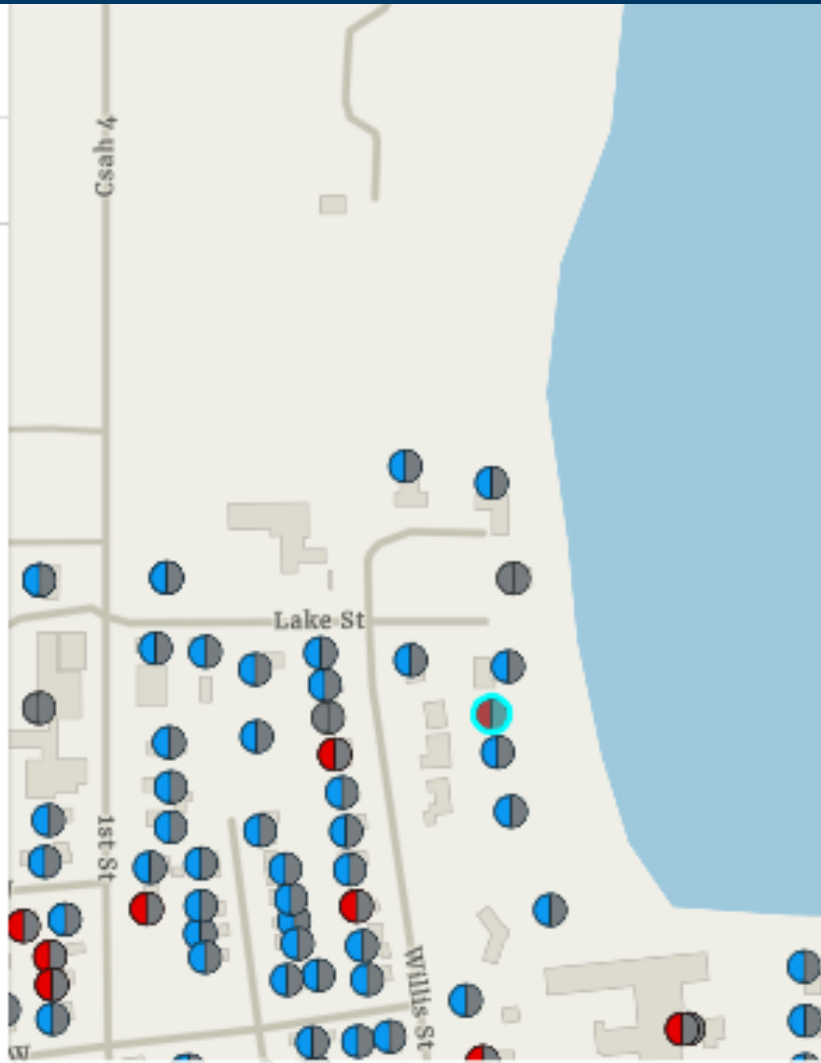
Details

Property Public Water Supply System Status

830 Willis St, Dassel, MN



	Within Property	In Right-of-Way
Ownership	Property Owner	Property Owner
Material	Galvanized	Unknown
Status	Needs Replacement	Unknown



LITT Additional Details

Details

Property **Public Water Supply** System Status

Public Water Supply: Dassel

[Dassel website](#)

[View Consumer Confidence Report](#)

→		
698 service lines	Population served: 1,469	Service Line Ownership: Private

The background shows a map with streets labeled '5th St', 'Linart Ave W', '18 1st', 'Lake St', and 'Csalh 4'. Numerous blue and red circular markers are scattered across the map, representing service lines. A large blue area on the right side of the map represents a body of water.

- Continuing to process work orders for LSL Inventory TA
- Track results of LSL Inventory TA
- Upload completed inventories in LITT
- Improve/develop communication documents for LITT
- Continue outreach & training on inventories
- Expand training to include more detailed LSL replacement funding examples

LSL Inventory Technical Assistance Lessons Learned

- Outreach & training are priceless
- Make sure your outreach touches a variety of groups
- Don't be afraid to be surprised
- Be willing to be flexible
- Feedback is invaluable
- Have fun!!!



Thank You!



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