



LEAD SERVICE LINE INVENTORY GRANT WORKSHOP SERIES

December 14, 2023

Today's Agenda

- Compliance and Enforcement will go over the Lead Service Line Inventory (LSLI) requirements.
 - LSLI Template Overview
 - Determining LSLI Materials
 - Deadlines and submitting a completed inventory
- The State Water Infrastructure Grants Program will review the LSLI Grant Program requirements.
 - Grant Overview
 - Grant Implementation
 - Grant Management System
- State Revolving Fund will go over the LSL Replacement Loan funding options

Topic

1

Lead Service Line Inventory Overview



Lead Service Line Inventory Agenda

- Review the LSLI Template
- How to determine LSLI Materials
 - New methods?
- Get more participants
- What to do once the LSLI is completed
- What is Lead-Free Certification, and how to obtain it
- What happens if the deadline is missed
- How to get money

Purpose

- Identify sources of lead contamination in drinking water
- Create a statewide database of service lines and materials
- Fund & Track replacement of Lead
- Increase transparency & trust with consumers
- Improve drinking water quality in TN

Before starting

- Assess WS needs for project
 - Need funding for computers, software, contractors, website, staffing, training, inspection supplies, community outreach, pitcher filters, & education?
 - <https://www.tn.gov/environment/arp/qualifying-projects.html>
 - <https://www.tn.gov/environment/about-tdec/grants-home.html>
 - **More to come**; sign up for emails to stay alert
- Determine ownership of service lines
 - Most common is private after meter
- Check local ordinances
 - Is there a rule that says lead can't be reburied once exposed?
 - Is there an ordinance in place that says lead pipes cannot be used?
- Decide how to keep records
 - Where? Who is collecting the info? Who is tracking info? What format is preferred for WS records?
 - Unless Lead-Free, full LSLI must be made available to the public
 - Continuous updates – annual submission

TN LSLI Template - Excel

Lead Service Line Inventory Data Sheet				
PHYSICAL ADDRESS or other locational identifier (do not use account number, no duplicates allowed)	CURRENT SERVICE LINE MATERIAL - Distributor Side	VERIFICATION SOURCE - Distributor Side	Service Line Material Detail - Distributor Side	SERVICE LINE INSTALL DATE - Distributor Side
1234 Main St	Galvanized Requiring Replacement	F = Field Inspection Only	X/Copper	before July 1988



TN LSLI Template

Required fields - **BLACK**

- Unique Locational Identifier
- Current Service Line Material (WS & Private sides)
 - GRR – Galvanized ever Downstream of Lead
 - LSL – Lead Service Line
 - NL – Not Lead
 - UKM – Unknown
- Verification Source (WS & Private Sides)
 - Records
 - Field Inspection
 - Statistical Analysis/Predictive Modeling
 - Sequential Monitoring

Service Line Classification

Exhibit 2-3: Classifying Service Line Materials When Ownership is Split According to the LCRR 40 CFR §141.84(a)(4)

System-Owned Portion	Customer-Owned Portion	Classification for Entire Service Line
Lead	Lead	Lead
Lead	Galvanized Requiring Replacement	Lead
Lead	Non-lead	Lead
Lead	Lead Status Unknown	Lead
Non-lead	Lead	Lead
Non-lead and never previously lead	Non-lead, specifically galvanized pipe material	Non-lead
Non-lead	Non-lead, material other than galvanized	Non-lead
Non-lead	Lead Status Unknown	Lead Status Unknown
Non-lead, but system is unable to demonstrate it was not previously Lead	Galvanized Requiring Replacement	Galvanized Requiring Replacement
Lead Status Unknown	Lead	Lead
Lead Status Unknown	Galvanized Requiring Replacement	Galvanized Requiring Replacement
Lead Status Unknown	Non-lead	Lead Status Unknown
Lead Status Unknown	Lead Status Unknown	Lead Status Unknown

This is how the TN & EPA will classify the service line materials for the LSLR Plan purposes.

*Notice when the customer side and WS side do not match.

Helpful, not required fields – **GREEN**

- Material Details (Pex, PVC, Copper, etc)
- Install Date
- Lead Connector (likely will be required with new LCRI)
- Lat/Long
- City
- Account Info (not to be publicly available)
- Comments

Template cont.

Required only for MSSSL – **BLUE**

- Only required for any site that is designated as a sample site
- This is the **ONLY** portion that will require a survey of the interior plumbing
- Templates for customer surveys & WS inspections are available

New Tiers for MSSL

Tier	CWSs	NTNCWSs
1	SFRs with Lead premise plumbing or LSL.	Structures with Lead premise plumbing or LSL.
2	MFRs and Non-Residential Buildings with Lead premise plumbing or LSL.	N/A
3	SFSs with galvanized service lines or premise plumbing that is or ever could have been downstream of an LSL or Lead connector. SFSs with a Lead connector (< 2')	Structures with galvanized service lines or premise plumbing that is or ever could have been downstream of an LSL or Lead connector. Structures with a Lead connector (< 2')
4	SFSs with Copper pipes with Lead solder installed before July 1988, the effective date of the TN's Lead ban	N/A
5	Representative sample where the plumbing has lowest lead exposure risk.	Representative sample where the plumbing has lowest lead exposure risk.

General Template Info

Required for all CWS & NTNC systems

2 tabs/sheets

- Introduction
 - Summarizes WS Info
 - Outlines accepted info sources
 - Definitions
- Inventory
 - Must contain ALL connections (sprinklers, fire lines, industry, etc.)
 - Location, materials, info source



Materials

- **Lead**
- **GRR**
 - Galvanized Requiring Replacement
- **Non-Lead**
 - Pex, Copper, PVC, CPVC, HDPE, etc.
- **UKM**
 - Unknown

Additional details/descriptors are helpful and can be entered in [columns d & i - Service Line Material Detail](#)

Verification Source - Records

Required

- Maps
- Master plans for DS development
- Capitol improvement plans
- Op & maintenance manuals for service connections
- Meter installation records » **July 1988 lead ban**
- Customer complaint investigative records
- Main construction & maintenance records, service cards/tickets
- Local ordinances
- Property assessor records: <https://assessment.cot.tn.gov/TPAD>

Optional

- Contractor/developer records
- Interviews with senior personnel
- Sampling
- Community survey
- Interviews with local contractors, suppliers
- USGS Maps & records

Verification Source – Field Inspection

Options for Field inspection of physical service line

- Internal CCTV inspection
- Visual inspection at existing access point
 - Meter pit
 - Entry to the building at the customer side
- Ground Penetrating Scans
 - Must create a library of scans to show accuracy & physically verify 10% of sites
 - Minimum accepted depth accuracy of 8'
- X-Ray gun
 - EPA approved devices and methods are available
- Excavation @ 2-3 points
 - Curb stop to main (meter)
 - Curb stop to building (1/2 way to connection point)
 - Connection Point to consumption:
 - Inside the home where the service line enters
 - A second point in the longer section of service line that is at least halfway between the first point and the building



Verification Source – Statistical Analysis

- Predictive modeling
- Uses records and algorithms for developing an “educated guess” to determine service line material
- Must have 95% accuracy within ½ mile
- Must reevaluate data analysis methodologies when any lead is identified that was deemed as non-lead

Verification Method – Sequential Sampling

- Must have a reviewed & approved sampling methodology, to include:
 1. Established baseline for fully flushed and sequential samples:
 - a) From homes that have never had LSLs.
 - b) From homes with LSLs.

THEN

 2. Collect fully flushed samples from homes with UKM
-- IF #2 DOES NOT INDICATE LEAD, THEN ↓ --
 3. Collect sequential samples from UKM
- Use 1L bottles for sampling
- Turn off water & wait 30 seconds between each bottle
- Must collect a minimum of 5Ls
- A collective total of 5ppb throughout all of the samples indicates LSL+

Comparing ID Methods

Exhibit 5-8: Comparison of Service Line Identification Techniques (Hensley et al., 2021)

LSL ID method	Utility cost		Disturbance		Impact on resident			Utility skills required		Overall		
	Financial	Onsite time	Pre-/post-time	Service line	Traffic flow	Water service disruption	Property damage	Resident involvement (includes pre-/post-time)	Technical interpretation	Labor	Time	Accuracy
Community records review	L or M (if digitized)	NA	M to H (L if digitized)	None	None	None	None	None	L to M	None	M	L to H
Basic/visual observations (on private side)	L	L	L to M	None	None	None	None	L	L	L	L	M to H
Water quality sampling—flushed	L	L	M to H	None	None	None	None	L	M	L	M	L to M
Water quality sampling—sequential	M	L	M to H	None	None	M	None	M to H	M	L to M	M	L to H
Water quality sampling—targeted	L	L	M to H	None	None	M	None	M to H	M	L to M	M	M
Excavation—mechanical	H	H	M to H	H	M to H	H	H	L	L to M	H	H	H
Excavation—vacuum	M to H	L to M	M to H	M	L to M	M to H	M to H	L	M	M to H	M	M to H

Source: Table 2: Relative pros and cons of lead service line identification methods using a ranking system of H: high, M: medium, and L: low (Hensley et al., 2021).

Note: This table does not include CCTV investigations in the evaluation of the basic/visual observation method.

Note: this table does not include GPRS investigations in the basic/visual observation method

Increase Participation

- Use community surveys
- Create a website
 - Allow submitting surveys
 - Allow photos with surveys
 - NPR free interactive LSL ID tool: <https://apps.npr.org/find-lead-pipes-in-your-home/en/>
 - Enable asking questions
 - Request appt for WS inspector
- Advertise
- Get involve with the community
 - Attend Farmer's Markets, host town halls, make announcements at sporting events
- Start social media campaign
- Offer in-person consultation and inspections
 - Post cards, emails
- Offer incentives
 - Is it possible to offer credits on water bills, gift cards to participants? *
 - Some locations may qualify for financial assistance for customer-side LSL Replacements
 - Replaced LSLs may improve property resale value **
- Communicate resources and intentions with local officials** and activist groups

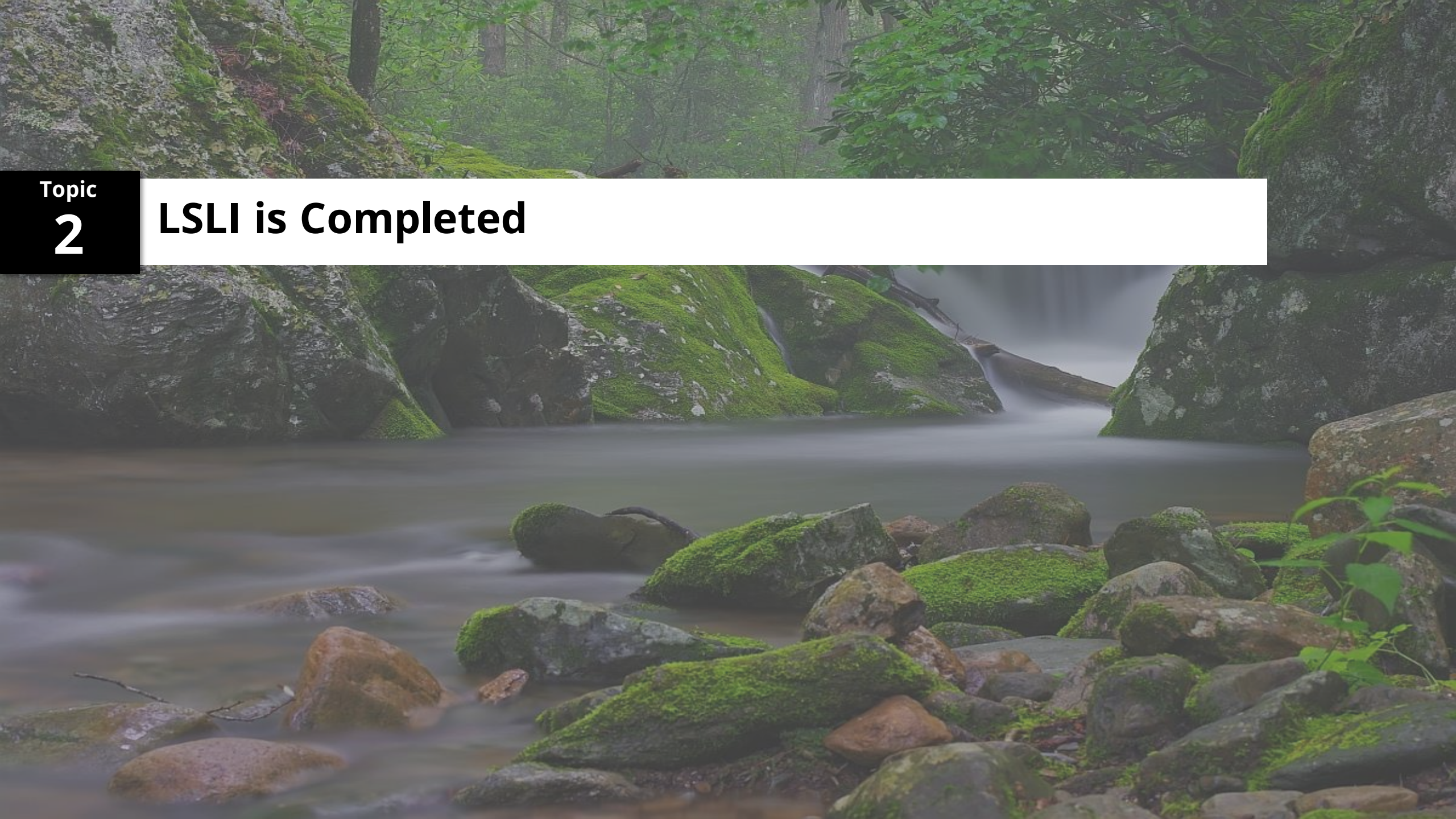
Other Lead Connectors

- < 2'
 - > 2' is considered a partial LSL
 - < 2' is considered a connector (includes sleeves)
- Not technically required information for the LSLI
 - yet, expected to be required with LCRI
- WS connectors (goosenecks, pigtails, & coupling sleeves) are required to be replaced when encountered
- Add this info in the “Comments” column

Topic

2

LSLI is Completed



Submit the LSLI

- **Must be submitted BEFORE Oct 16, 2024**
 - EPA will be issuing these violations – Not TDEC
- The final LSLI Excel file should be submitted to
 - Local Field Office
 - dwrWater.Compliance@tn.gov
 - Jennifer.murray@tn.gov
- Proposed LCRI:
 - Annual updates required

Potential Lead Risk Notice

- Every site deemed LSL, GRR, or UKM must be given a notice
 - Due by June 1st annually w/ additional Certificate of Distribution

LSLs & GRRs	UKM
<ul style="list-style-type: none"> ⇒ Description of material ⇒ Health effects of lead ⇒ Steps to reduce lead exposure ⇒ Information about opportunities to replace lead service lines ⇒ Programs that provide financing solutions to assist property owners with replacement of their portion of a lead service line, and ⇒ Statement that the water system is required to replace its portion of a lead service line when the property owner notifies them that portion of the lead service line is being replaced. 	<ul style="list-style-type: none"> ⇒ Description of material ⇒ Health effects of lead ⇒ Steps to reduce lead exposure ⇒ Information about opportunities to verify service line materials



Make it Public

- WS >50K must publish LSLI on the website
- All other WS must make LSLI publicly accessible upon request and include info on how to access it in the CCR
- REDACT ALL SENSITIVE INFO
 - No names, account numbers, or phone numbers should be public!

Updating the LSLI

- Must be updated annually ~~or triennially~~
 - ~~– Matches sampling schedule~~
 - ~~– Semi-annual and annual submit annually~~
 - Expect LCRI to require ~10% of LSL, GRR, & UKM to be removed with each update
 - Rolling annual average calculated after 1st 3 years

Becoming Certified Lead-Free

All connections must be verified using “stand-alone” verification or a combination of other options:

- Stand-Alone verifications
 - In-tact records that installation occurred after July 1988
 - Local ordinance prohibiting lead installation
 - Physical 3-point inspection by water system inspector*
 - At meter, at connection to premise plumbing, & at ½-way point between

- Other combinable options
 - Records review
 - GPRS scanned entire system with minimum 8’ accuracy and 10% physically verified
 - X-Ray gun verified using EPA approved device & methods
 - Statistical analysis
 - Sequential sampling
 - Physical 2-point inspection by water inspector*
 - At meter & connection to premise plumbing

* Physical inspection is not required at every site, a statistically sound subset of service lines can be verified as established in the [MICHIGAN EGLE “MINIMUM SERVICE LINE MATERIAL VERIFICATION REQUIREMENTS”](#) document.

* Physical Inspection methods can include mechanical excavation or hydrovac. Water System is responsible for repair to grounds after inspection, consider these expenses when applying for funding.



Certified Lead-Free Perks

- No annual “Potential Lead Risk Notice” to any sites
- No LSL Replacement Plan requirement
- Service Line Inventory will not need to be made public
- Name of the water system will get published on the TDEC website as “Certified Lead-Free Drinking Water Supplier”
- Sm WS $\leq 3,300$ may qualify for 9-Year monitoring waiver

In Compliance

By October 16, 2024

- Submitted LSLI as an Excel file to:
 - DWRwater.compliance@tn.gov
 - Local Environmental Field Office
 - A member of the SDWA Lead and Copper team in the Central Office
- Include **all** connections to the distribution system

Violations & Enforcement

- Violations are tracked by TDEC
- Enforced by EPA until December 18, 2025 then TDEC takes over

Contact Information

Sophia DeMarse

**TN Dept. Environment and
Conservation**

Division of Water Resources

615-840-0245

sophia.demarse@tn.gov

Christopher Allen

**TN Dept. Environment and
Conservation**

Division of Water Resources

615-532-9506

christopher.daniel.allen@tn.gov

Jennifer Murray

**TN Dept. Environment and
Conservation**

Division of Water Resources

615-981-6546

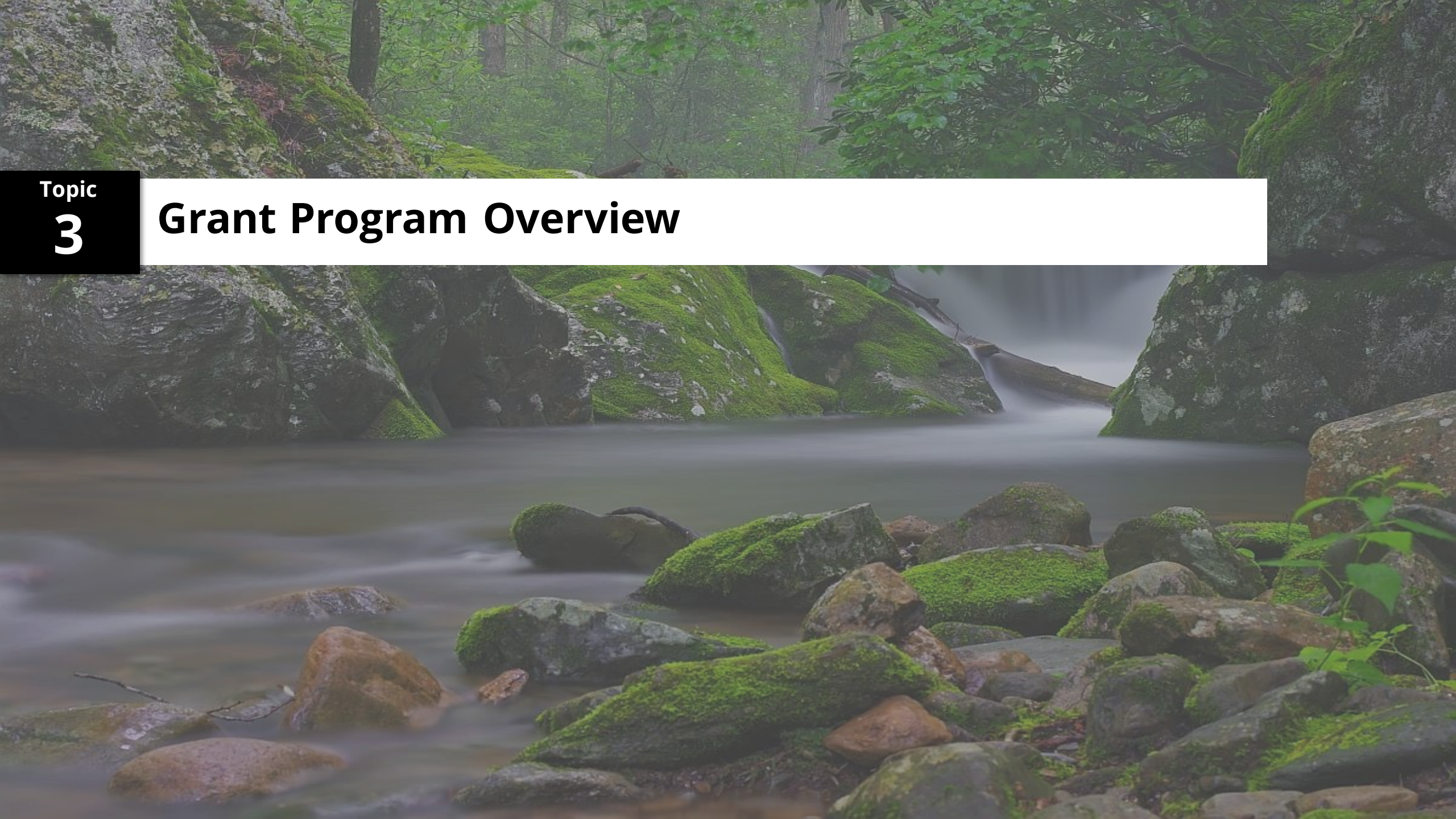
jennifer.murray@tn.gov



Topic

3

Grant Program Overview



Grant Program Agenda

- Lead Service Line Inventory Grant Program Overview
- Application Submission and Evaluation
- Grant Implementation
- GMS Walkthrough
- LSLR Loans Overview
- Closing

Grant Program Overview



TDEC is allocating **\$16,832,719** for this grant, with a maximum award of **\$250,000 per applicant.**



Applicants must meet **technical requirements** and demonstrate a **match** commitment.

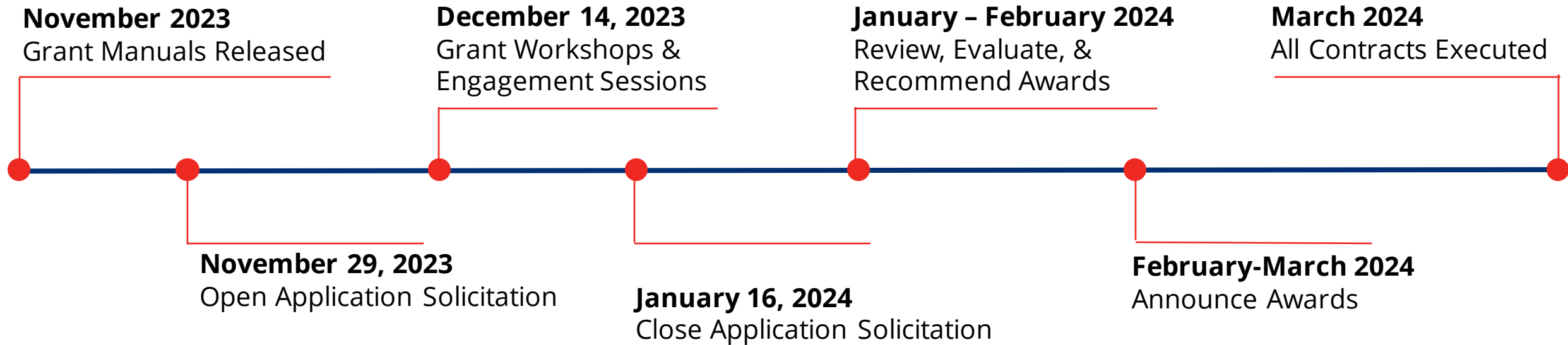


These funds will be distributed for eligible **LSL Inventories, LSL Replacement plans,** and **planning and designing future full LSLR** projects.



Awards will be granted based on a **scoring system** that determines the suitability of funding.

Timeline and Expectations



What to expect:

- **Applicants cannot modify** an application once it is submitted
- TDEC is **unlikely to engage** with grant applicants before the announcement of awards
- **Incomplete** applications may **not be eligible** for funding
- The contract term will be 24 months



A scenic photograph of a forest stream. The water is calm and reflects the surrounding greenery. Large, moss-covered rocks are scattered throughout the stream bed. In the background, a waterfall cascades over a rocky ledge. The forest is dense with green trees and foliage, creating a lush and serene atmosphere.

Topic

4

Lead Service Line Inventory Grant Information

Lead Service Line Inventory Grant Overview

Lead Service Line inventory projects are required to create a **categorized inventory** of **all service lines, including partial ownership lines**. These categories will be determined based on **evidence-based records and approved investigation methods** or **techniques**.

Project Eligibility

- ✓ Identification and/or verification of lead service line material:
 - ✓ Exploratory digging/potholing (may require Compliance and Enforcement approval)
 - ✓ Gathering information from customers
 - ✓ Historical records review
- ✓ Development of service line inventory and integrating inventory information into GIS
- ✓ Hiring a third-party consultant(s)
- ✓ Purchasing tools or technology required for identification, inventory, or mapping

Applicant Eligibility

- Counties and Cities
- Water Utility Districts
- Water Utility Authorities

Ineligible Projects

- Projects that include construction activity or those ready to pursue full-service line replacement should seek an SRF loan
- Corrosion control studies or infrastructure
- Water Meters
- Funding for Bottle Water and/or Pitcher Filters
- Premise Plumbing Assistance

Lead Service Line Inventory Grant Funding

\$16,832,719 total in funding will be awarded to lead service line inventory grants

Maximum Proposal Budgets per Project Award Type:

Project Award Type	Proposal Budget Max
Investigation and Planning or Investigation, Planning and Design	\$250,000

The budget maximums represent a proposal's total project budget, including the grant amount (reimbursable) and applicable match.



Match Requirements

Match is a requirement of the Competitive Grant Program

Match amounts:

- Match amounts are based on the 2022 Ability to Pay Index (ATPI) for the project area served
- The required match percentage will be based on the ATPI of the grant applicant
- Each recipient will contribute a match ranging between 15%-25% of the total project cost

Grant applicants with an associated ATPI of...

50 or
below

60 - 80

90 - 100

Have a match requirement of...

15%

20%

25%

Match Sources*

Cash Reserves

Cash may consist of SRF loans, bonds, cash reserves, and public/private partnerships.

Third-Party Funds

Third-party in-kind may include project owner labor, equipment services, or material contributions. TDEC will consider using in-kind match contributions if an individual accountability report is completed and submitted with the application.

****Note Expense Backdating***

TDEC will not allow past expenses to cover your match; only spending during the project period will be eligible for reimbursement.

Example Application Scenario #1

Scenario: The City of Williamsburg has a total cost of \$250,000 for their LSLI project. The city would like to hire a third-party consultant to assist in developing an LSLI. This third-party consultant would be responsible for all the identification, inventory, and mapping work.

Project Application Example:

- The City of Williamsburg submits a \$250,000 proposal
- The City has an ATPI of 100
- Williamsburg has a match requirement of 25% (\$62,500)

Funding Scenario:

- Total project budget: \$250,000
- Match percentage: 25%
- Required match: \$62,500
- Total grant dollars requested: \$187,500

Example Application Scenario #2

Scenario: The Lead Valley Utility District has a total cost of \$50,000 for its LSLI project. The utility would like to purchase tools or technology that will assist in identifying, inventory, and mapping their LSLs.

Project Application Example:

- The Lead Valley Utility District submits a \$50,000 proposal
- The City has an ATPI of 20
- Williamsburg has a match requirement of 15% (\$7,500)

Funding Scenario:

- Total project budget: \$50,000
- Match percentage: 15%
- Required match: \$7,500
- Total grant dollars requested: \$42,500

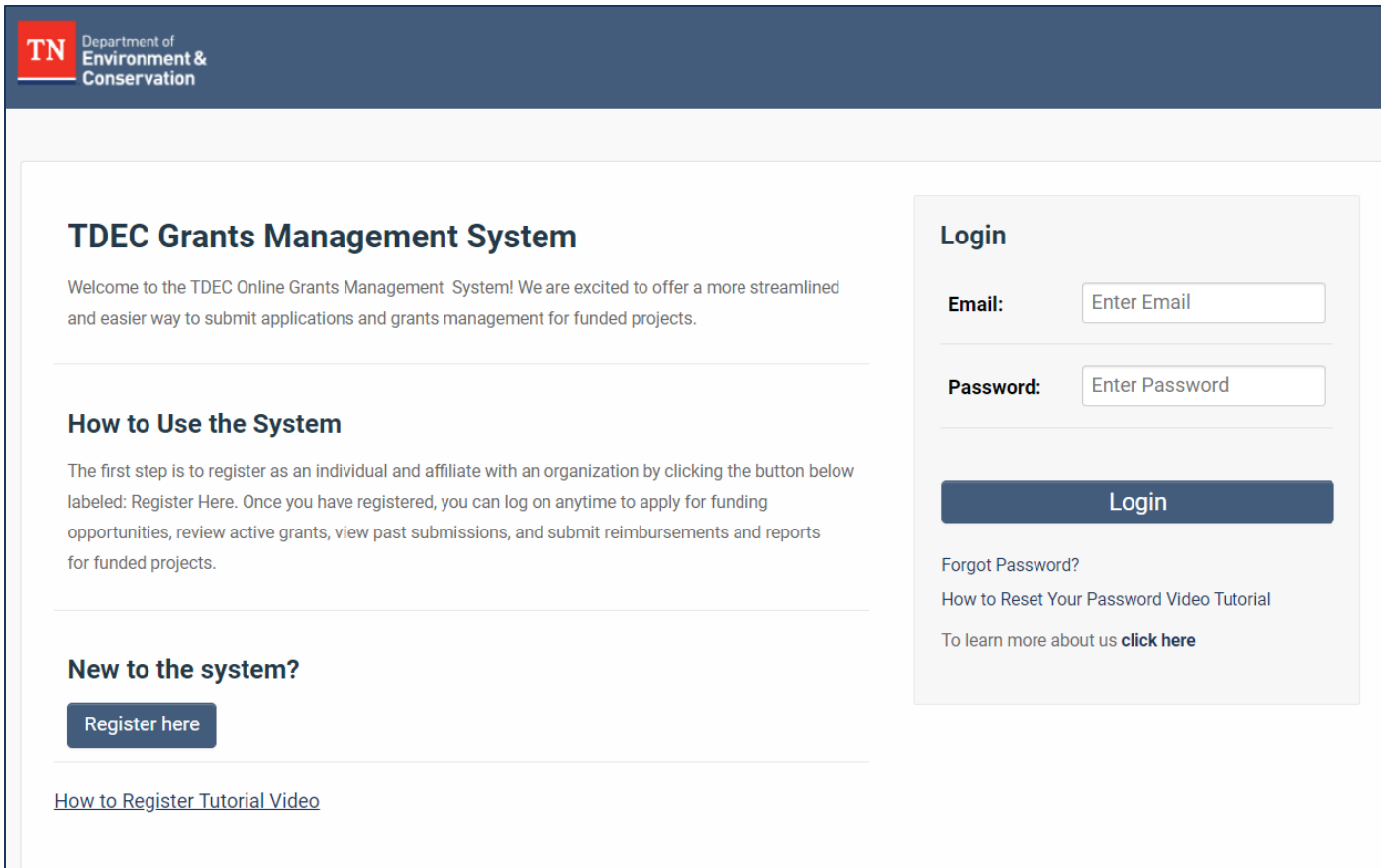
Topic

5

Application Submission and Evaluation



Grants Management System



The screenshot shows the TDEC Grants Management System login page. At the top left is the TN Department of Environment & Conservation logo. The main heading is "TDEC Grants Management System". Below it is a welcome message: "Welcome to the TDEC Online Grants Management System! We are excited to offer a more streamlined and easier way to submit applications and grants management for funded projects." There are three main sections: "How to Use the System" with a paragraph explaining the registration process, "New to the system?" with a "Register here" button, and a "Login" form. The login form includes fields for "Email" and "Password", a "Login" button, and links for "Forgot Password?", "How to Reset Your Password Video Tutorial", and "To learn more about us click here".

- All components of the application are housed within GMS. It is designed to ensure that **only complete applications may be submitted** for TDEC review and approval
- **GMS allows grants administration partners** to affiliate with the grant applicant to prepare the application for the legally authorized representative's review and electronic signature
- GMS will also serve as the portal for submitting the required Title VI Pre-Audit Survey, Supplier Direct Deposit Authorization (SDDA), and future invoices for **reimbursement requests** and state approvals



Note: Long-term access to the GMS is possible with user login and affiliations.

Application Submission Components

Every grant application must contain the following components:



Identify the Grant Applicant and Project

- Includes demonstration that the proposal aligns with the requirements of developing LSLI and meets all activity eligibility requirements, as described in the grant manual.



Description and narrative of proposal

- Project award type, scope, timeline, budget, funding sources, and ATPI



Overall grant budget



Match requirements



Proposal details – 250-word responses to specific questions



Technical project information – varies by project award type

Evaluation Criteria

Community/System Considerations – 60 Points

Criteria	Max Points
Financial capacity of the applicant	15
Applicant's population served	15
Lead and Copper Water Quality Problems (last five years):	10
Percentage of Lead Service Line Inventory Completed:	10
Percentage of homes built before TN's July 1988 lead ban:	10

Proposal Considerations – 40 Points

Criteria	Max Points
Community engagement must be included throughout the proposal. This can include interactive web portals or apps, printed and distributed customer surveys, activist group partnerships, etc.	15
Use of the LSLI to facilitate the removal of LSLs and secure the necessary funding for removal	15
Is the applicant using non-invasive techniques to evaluate LSLs (such as historic maps, ground-penetrating radar, etc.):	10

BIL funding emphasizes aiding small and disadvantaged communities.

- **Disadvantaged communities**- ATPI score of 50 or less
- **Small communities**- Population of 10,000 or fewer

Communities with greater economic needs will be prioritized first, then systems with smaller populations during the evaluation and scoring of the grants.



Application Evaluation Methodology

TDEC will form a panel of three subject matter experts for each grant to review applications.



TDEC will conduct an **administrative review** of each application for **completeness, accuracy, and eligibility** before initiating the technical evaluation.



Proposals will be evaluated using a **scoring rubric** based on a 100-point system. Proposals will be ranked relative to other proposals based on the suitability of funding.


The scoring rubric consists of **Community/ System Considerations** and **Proposal Considerations**.


Proposals with the highest total points at the end of scoring for each grant will be considered for funding.

TDEC may not engage with grant applicants during the application evaluation period. Grant applicants are not allowed to revise or add to applications following submission. Incomplete applications may not be eligible for funding.

Application Evaluation Considerations

 TDEC may consider **the feasibility of project/proposal completion and the diversity of project types, applicants, and** geographic distribution in making final funding recommendations.

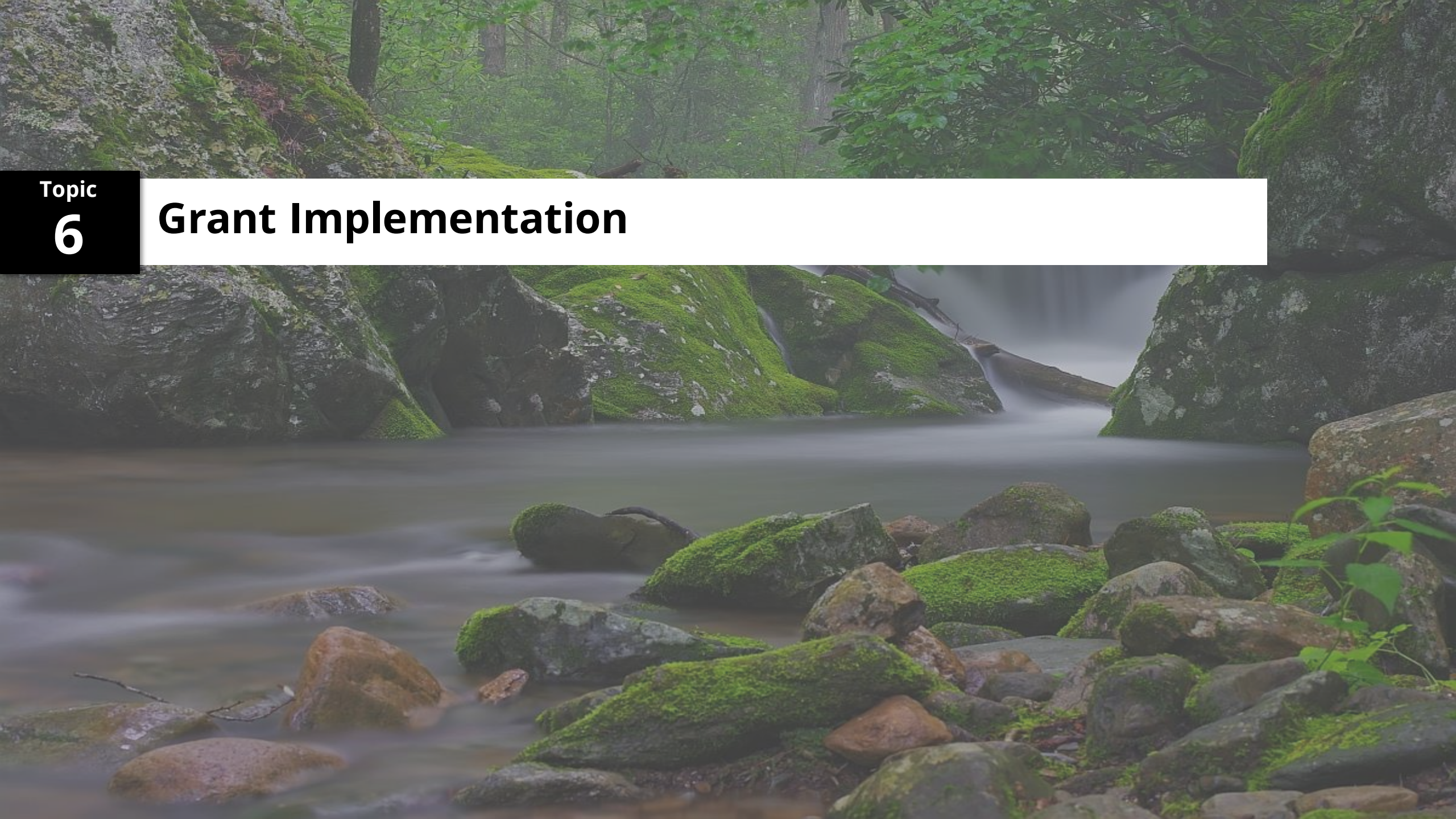
 Applicants must demonstrate how they will meet **match requirements** and validate the feasibility of project completion within the performance period.

 Applications will not be reviewed before the deadline; there is no incentive to submit applications early. **We advise applicants to take extra time to review the application for accuracy before submitting it,** as revisions or additions are not allowed following submission.

Topic

6

Grant Implementation



Grant Schedules and Requirements

GRANT SCHEDULES

The **Bipartisan Infrastructure Law (BIL)** was signed into law on **November 15, 2021**.

- All grant contracts will be executed **February-March 2024**
- Proposal schedules must establish the grant contract term with an end date of **March 2026**.
- All grant contracts will end by **March 2026**.
- Proper close-out of all activities must be completed before **July 2026**.

TDEC is federally required to provide monitoring and oversight for its subrecipients; grantees should have the proper monitoring and oversight controls in place for its contractors and subcontractors.

All grantees must submit annual and final progress reports through the GMS.

Procurement

Any procurement using competitive SWIG funds must be consistent with **state procurement standards** and **Uniform Guidance 2 CFR Part 200.D**, as applicable.

As subrecipients, grantees must also comply with 2 CFR 200.318-200.327.

Procurement must be made on a **competitive basis**, including using competitive bidding procedures, if purchases are above the Simplified Acquisition Threshold (\$50,000). The local policy must be followed if more stringent.

Instances where competitive procurement is not practical must provide supporting documentation, including a **written justification** of the decision and process.

Reimbursement

Grantees may request reimbursement only for **costs incurred during the grant contract term.**

Requests shall be for **reasonable & necessary expenditures** required in the delivery of service described in the contract and identified in the project budget.



Supporting documentation will be **required** to substantiate the costs requested for reimbursement. This may include purchase orders, pay requests, invoices, and/or proof of payment.



Up to **20%** of the total budget may be **redirected** from one line item to another budgeted line item; no-cost modification.



Topic

7

GMS Walkthrough



TDEC Grants Management System (GMS) Overview

Like previous Grant Programs, applicants will use GMS to access the LSLI Grant application(s). GMS was outfitted with a few improvements:

- Required components, like the budget attachments, are more simplified and user-friendly
- Applicants are only required to input necessary information – the questions and prompts will change based on the project and award types selected

TN Department of Environment & Conservation

TDEC Grants Management System

Welcome to the TDEC Online Grants Management System! We are excited to offer a more streamlined and easier way to submit applications and grants management for funded projects.

How to Use the System

The first step is to register as an individual and affiliate with an organization by clicking the button below labeled: Register Here. Once you have registered, you can log on anytime to apply for funding opportunities, review active grants, view past submissions, and submit reimbursements and reports for funded projects.

New to the system?

[Register here](#)

[How to Register Tutorial Video](#)

Login

Email:

Password:

[Login](#)

[Forgot Password?](#)
[How to Reset Your Password Video Tutorial](#)
To learn more about us [click here](#)

Tip: If accessing the [GMS](#) for the first time, please register. Click on the “Register here” button and review the [registration tutorial video](#) for additional support.

GMS Tip #1: Creating a new LSLI Application

Once logged in, navigate to the **Funding Opportunities** tab and identify the grant application associated with the **Lead Service Line Inventory**

- Select **“Apply Now”** to begin a new grant application

The screenshot shows the GMS application interface. At the top, there is a header for the Department of Environment & Conservation (TN). Below the header, there is a note: "Note: Please be sure to submit a request to affiliate with a registered organization before you apply for any grant. Click on the Submit Affiliation button on the top right. Current session: You are logged in as Sunshine, City of, to switch your organization click the Switch Organization button on the top right." Below the note, there is a row of buttons: "Submit Affiliation Request", "How to Affiliate Tutorial", "Procurement Guidelines", and "Change Password".

The main content area is divided into two columns. The left column is titled "Funding Opportunities" and shows a list of opportunities. The first opportunity is "Federal Historic Preservation Grant" with a deadline of 02/01/2024 and an "Apply Now" button. The second opportunity is "DWR-BIL Lead Service Line Inventory Grant" with a deadline of 01/16/2024 and an "Apply Now" button. A red box highlights the "Apply Now" button for the second opportunity, and a red arrow points to it from the right.

The right column is titled "My Applications" and shows a summary of applications: "IN PROGRESS (47)", "ACTIVE (43)", and "COMPLETED (3)". Below this, there is a table with columns: "#", "Application ID", "Grant Cycle", and "Applic". The table contains two rows of data:


#	Application ID	Grant Cycle	Applic
1	2023-10211		DWR-B Invent
2	2023-10195		Tennes Comm

Below the table, there is a section titled "Requires Attention" with a bell icon. It shows a summary of activities: "PENDING (0)", "COMPLETED (0)", and "PROCUREMENTS (PENDING) (0)". Below this, there is another table with columns: "#", "Application ID", and "Activity Type".

GMS LSLI Application Tabs

Below are the tabs you will find in GMS for LSLI grant applications:

1. Purpose & Overview	8. General Proposal Information
2. Timeline, Eligibility & Funding	9. Narrative Questions
3. Selection Criteria	10. Authorization
4. Resources & Contact	11. Self Debarment Verification
5. Title VI Compliance	12. Pre-Application Submission Authorization
6. General Information	13. Applicant Acknowledgments
7. Budget & Attachments	14. Application Summary
14. Current Documents	



Budget and Attachments Tab

The Budget and Attachments Tab

- The questions have instructions and mandatory inputs
- The Budget Justification Worksheet is a pop-up tab within GMS

2023-10211 ()

Application ID: 2023-10211 ()

RES AND CONTACT TITLE VI COMPLIANCE GENERAL INFORMATION **BUDGET AND ATTACHMENTS** GEN

▼ Funding Conditions

* Total amount requested for the grant (in \$)

Identify the total project budget for this proposal. This number may not exceed the total proposal budget maximum of \$250,000.

* Match level (in %)

Note: The match requirement is based on the grant applicant's 2022 ATPI
 1. Grant applicants with an ATPI of 50 or below have a 15% match.
 2. Grant applicants with an ATPI between 60 - 80 have a 20% match.
 3. Grant applicants with an ATPI between 90 - 100 have a 25% match.

* Match amount (in \$)

Note: The match amount is the match percentage applied to the total project budget for this proposal.

Budget Worksheet Considerations

The following considerations apply to the budget worksheet:

- 1) The Grant Contract column total should equal the total allocation requested.
- 2) The percentage for the required Match should be documented in the field labeled Match % Requirement. Applicants
- 3) Match requirements are based on matching the total allocation funds requested, not the proposal budget. Therefore
- 4) The Match amount is based on the total state allocation.
- 5) The budget total should equal the total state allocation amount plus the Match amount.

PLEASE NOTE: Depreciation is not an eligible expense.

* Budget Worksheet

Complete the budget for your project by clicking on the button below.

Budget Page and Budget Justification Worksheet

Budget Worksheet

Budget Line Item Details

Budget Line Item Detail

Budget page and Budget Justification

Grant Budget for 2023-10211 ()

Policy 03 Object Line-item reference	Expense Object Line-item Category (1)	Grant Contract	Grantee Match	Total Project
Enter Match % Requirement:		<input type="text" value="0"/>		
1,2	Salaries, Benefits Taxes	<input type="text"/>	<input type="text"/>	<input type="text"/>
4, 15	Professional Fee, Grant and Award (2)	<input type="text"/>	<input type="text"/>	<input type="text"/>
5, 6, 7, 8, 9, 10	Supplies, Telephone, Postage and Shipping, Occupancy, Equipment, Rental and Maintenance, Printing and Publications	<input type="text"/>	<input type="text"/>	<input type="text"/>
11, 12	Travel, Conferences and Meetings	<input type="text"/>	<input type="text"/>	<input type="text"/>
13	Interest (2)	<input type="text"/>	<input type="text"/>	<input type="text"/>
14	Insurance	<input type="text"/>	<input type="text"/>	<input type="text"/>
16	Specific Assistance To Individuals	<input type="text"/>	<input type="text"/>	<input type="text"/>
17	Depreciation (2)	<input type="text"/>	<input type="text"/>	<input type="text"/>
18	Other Non-Personnel (2)	<input type="text"/>	<input type="text"/>	<input type="text"/>
20	Capital Purchase (2)	<input type="text"/>	<input type="text"/>	<input type="text"/>
22	Indirect Cost	<input type="text"/>	<input type="text"/>	<input type="text"/>
24	In-Kind Expense	<input type="text"/>	<input type="text"/>	<input type="text"/>
25	Grant Total	<input type="text"/>	<input type="text"/>	<input type="text"/>

i (1) Each expense object line-item shall be defined by the [Department of Finance and Administration Policy 03, Uniform Reporting Requirements and Cost Allocation Plans for Sub-recipients of Federal and State Grant Monies, Appendix A](#).

(2) Applicable details follows this page if line-item is funded

(3) A Grantee Match Requirement is detailed by this Grant Budget, and the maximum total amount reimbursable by the State pursuant to this Grant Contract, as detailed by the "Grant Contract" column above, shall be reduced by the amount of any Grantee failure to meet the Match Requirement



General Proposal Information Tab

New

Main

Notes

2023-10211 ()

Application ID: 2023-10211 ()

ES AND CONTACT

TITLE VI COMPLIANCE

GENERAL INFORMATION

BUDGET AND ATTACHMENTS

GENERAL PROPOSAL INFO

NARRATIVE QUESTIONS

AUTHORIZATION

SELF DEBARMENT VERIFICATION

PRE-APPLICATION SUBMISSION AUTH

Applicant Info

Authorized representative for proposal.

UEI Number: Applicants may obtain their UEI Number by logging into their Grants.gov account, clicking the My Account link at the top of the page, clicking the Manage Profiles tab on the next screen and looking under the UEI column header for the UEI for each profile that is registered with SAM (SAM.gov).

Population Served: Enter population served, including all partner populations, covered in this proposal.

ATPI: Provide the ATPI for the Applicant. ATPI = Ability to Pay Index, available [online](#).

* Applicant Name (City or County):

* City:

* Zip:

* Email Address:

* UEI Number:

* ATPI (C1 in scoring rubric):

* Project Name:

* Mailing Address:

* State:

* Phone Number:

* DUNS Number:

* Population Served (C2 in scoring rubric):

* Proposal Budget (in \$):

* Description of Proposal

Brief description of the overall proposal, including how the proposal aligns with the lead service line inventory requirements. Include project milestones, project schedule, and any other information deemed pertinent.

General Proposal Information Tab Cont.

* Description of Proposal

Brief description of the overall proposal, including how the proposal aligns with the lead service line inventory requirements. Include project milestones, project schedule, and any other information deemed pertinent.

* Project Award Type

Please select Project Award Type based on the maximum extent of activities represented in this proposal.


- Investigation and Planning
- Investigation, Planning and Design

* Select the Utility System PWSID Covered by Proposal

Please Select [dropdown arrow]

* Letter of Match Funding Commitment


Upload a letter of support and commitment of funds from the grant applicant.

 Drop files here or browse files

Maximum file size: 2 GB

* Scorecard Upload

Upload a copy of Scorecards for all responsible parties that own or operate a water infrastructure system.
File Name should be in the format of: Responsible Party Utility ID Code-Document Title (e.g. Utility ID 1234-Example UD Scorecard Summary).
File Description should contain the Responsible Party Utility ID Code. (e.g. Utility ID 1234).

 Drop files here or browse files

Maximum file size: 2 GB

← BACK

NEXT →

LSLI Narrative Questions Tab

2023-10211 ()

Application Status: Draft

Application Type: DWR-BIL Lead Service Line Inventory Grant

Application ID: 2023-10211 ()

- RES AND CONTACT
- TITLE VI COMPLIANCE
- GENERAL INFORMATION
- BUDGET AND ATTACHMENTS
- GENERAL PROPOSAL INFO
- NARRATIVE QUESTIONS**
- AUTHORIZATION
- SELF DEBARMENT VERIFICATION
- PRE-APPLICATION SUBMISSIO

▼ Narrative Questions

* 1. Has the applicant had lead and copper water quality problems during the last 5 years? Please describe the issues and if those have been resolved. (10 points) (C3 in scoring rubric)

250 words left

* 2. What is the current applicant's percent completion of the lead service line inventory? (10 points) (C4 in scoring rubric)

* 3. Percentage of homes built prior to TN's July 1988 lead ban? (10 points) (C5 in scoring rubric)

* 4. Is there community engagement throughout the term of the proposal? This can include communication strategies, customer surveys or partnerships, etc. If so, please explain or place N/A: (15 points) (P1 in scoring rubric)

250 words left

LSLI Narrative Questions Tab Cont.

250 words left

* 2. What is the current applicant's percent completion of the lead service line inventory? (10 points) (C4 in scoring rubric)

Please Select

* 3. Percentage of homes built prior to TN's July 1988 lead ban? (10 points) (C5 in scoring rubric)

Please Select

* 4. Is there community engagement throughout the term of the proposal? This can include communication strategies, customer surveys or partnerships, etc. If so, please explain or place N/A: (15 points) (P1 in scoring rubric)

250 words left

* 5. Describe how the entity will effectively utilize their lead service line inventory to facilitate the removal of lead service lines and secure the necessary funding to remove. (15 points) (P2 in scoring rubric)

250 words left

* 6. Are the project activities including use of non-invasive techniques to evaluate LSLs (such as historic maps, ground-penetrating radar, etc.)? If so, please explain or place N/A: (10 points) (P3 in scoring rubric)

250 words left

GMS Best Practices

- 1 Upon opening your application, be sure to **affiliate the application** with an organization or entity
- 2 Be sure to click "**Save Draft**" frequently to ensure progress is not lost
- 3 Only **one person** may have the application open **at a time**; the other user(s) will be locked out
- 4 The system can be **slow** at times; try **refreshing** if the save button buffers for an extended period
- 5 Ensure you upload the correct documentation as documents **cannot be deleted** after upload
- 6 Utilize the [TDEC GMS Resources page](#) and reach out to the [TDEC GMS email](#) with any questions

A scenic photograph of a forest stream. The water is calm and reflects the surrounding greenery. Large, moss-covered rocks are scattered throughout the stream bed. In the background, a waterfall cascades over a rocky ledge. The forest is dense with green trees and foliage.

Topic

8

Lead Service Line Replacement Loan Program

DWSRF LSLR Program: FFY 2023

- The State's allotment of FFY 2023 DWSRF LSLR BIL Supplemental Capitalization Grant is **\$89,756,000**.
 - No State required match
 - 49% DWSRF Lead Service Line Replacement Funding must be provided as grants and forgivable loans to disadvantaged communities (**\$43,980,440**)

Eligible Categories

- Develop LSL inventories
- Technical Assistance (identify or create inventories)
- Full LSL replacement (no partial replacement)

Eligible Applicants

- Public Water Systems
 - Focus on small or disadvantaged

Ineligible Activities

- Non-LSL related projects or project activities
- Any partial replacement of an identified LSL service line

DWSRF Program: FFY 2023

- The State's allotment of FFY 2023 DWSRF Capitalization Grant is **\$8,312,000**.
 - The State required match is 20% of the federal allocation or **\$1,662,400** to receive the full allotment.
- The State's allotment of FFY 2023 DWSRF BIL Supplemental Capitalization Grant is **\$35,443,000**.
 - The State required match is 10% of the federal allocation or **\$3,544,300** to receive the full allotment.
- The EPA Capitalization Grant plus State match provides an expected **\$48,961,700** in SRF2024.

Eligible Categories

- Pressure Issues
- Replacement or Rehabilitation Needs
- Water Line Extensions
- Regional Drinking Water Consolidation
 - New Drinking Water Systems
- Water Quality Issues
- Source or Capacity Challenges
- Water Storage
- Leakage Problems

Eligible Applicants

- Public Water Systems
 - Focus on small or disadvantaged

Ineligible Activities

- Future Growth
- Economic Development
- Fire Protection
- Laboratory fees for monitoring
- Operation and maintenance expenses

DWSRF LSLR Program: FFY 2023 Project Types

Planning, Design, and Construction

1. Submit Letter of Request, Planning Documents and Specifications, Project Description & Map
2. Submit prior three FY of audited financials to Comptroller's Office
3. Financial Sufficiency Review
4. Environmental Review
5. Loan Application
6. TLDA Loan Approval

Planning and Design

1. Letter of Request
2. Financial Sufficiency Review
3. Loan Application
4. TLDA Loan Approval

Grant Program Resources

- [LSLI Grant Manual](#)
- [TDEC Grants Management System](#)
- [BIL Implementation Memo](#)
- [Drinking Water SRF Handbook](#)
- [TDEC SRF Website](#)



Questions?