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Conference

Canada's Premier
Stormwater and Erosion
and Sediment Control
Conference

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An aerial photograph of a city, likely Brampton, showing a large lake in the foreground and middle ground. The city is densely packed with residential houses and some commercial buildings. The sky is clear and blue. The text is overlaid on the image in a large, white, serif font.

Building Awareness, Protecting Waterways: Lessons Learned from SWMF Outreach Program

March 27, 2025



BRAMPTON

Agenda



- 1 Water Quality Unit (WQU) Outreach Program
- 2 Program Outreach Strategy
- 3 Program Progress
- 4 Takeaways

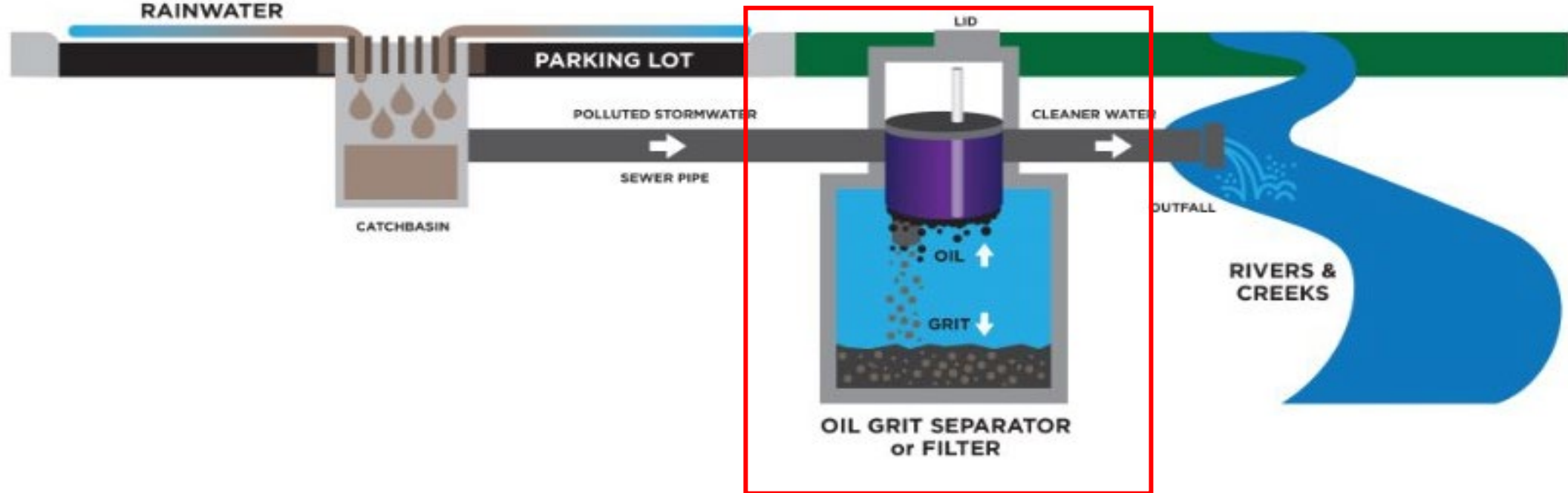


Water Quality Unit (WQU) Outreach Program

Water Quality Units (WQU)

Types of WQUs Covered in This Program:

- Oil and Grit Separators (OGS)
- Jellyfish Filters (JF)



Why this Program?



- **Regulatory Requirement:** City of Brampton's Sewage By-law (90-75) (Sections 15 and 16)
 - Property owners must maintain their grease, oil, and sand interceptors to ensure continuous efficiency
- **Additional Regulations:**
 - Site Servicing Plans & Site Servicing Agreements
 - Consolidated Linear Infrastructure – Environmental Compliance Approval (CLI-ECA)
- **The Challenge:** 61% of Brampton developments predate modern stormwater regulations, leading to limited water quality treatment
- **The Solution:** WQU Outreach Program

MECP's CLI ECA

- Schedule D of CLI ECA relies on private Stormwater Management (SWM) facilities to achieve water balance and water quality
- Future update to Sewage By-law
- Ensure private SWM facilities are maintained through various mechanisms.



Importance of Awareness & Maintenance

The Risks of No Maintenance:

- Pollutants entering waterways
- Clogged or inefficient devices
- Increased risks of flooding on property
- Increased costs and enforcement for property owners



Annual Outreach Campaign Goals

- Manufacturers recommend regular maintenance, but most devices are not maintained as required
- Prior to this program, only a small number of these devices have been inspected, and even fewer serviced
- Since 2021, the Stormwater Programs Team has implemented an annual outreach and education campaign to address these gaps





Target Audience

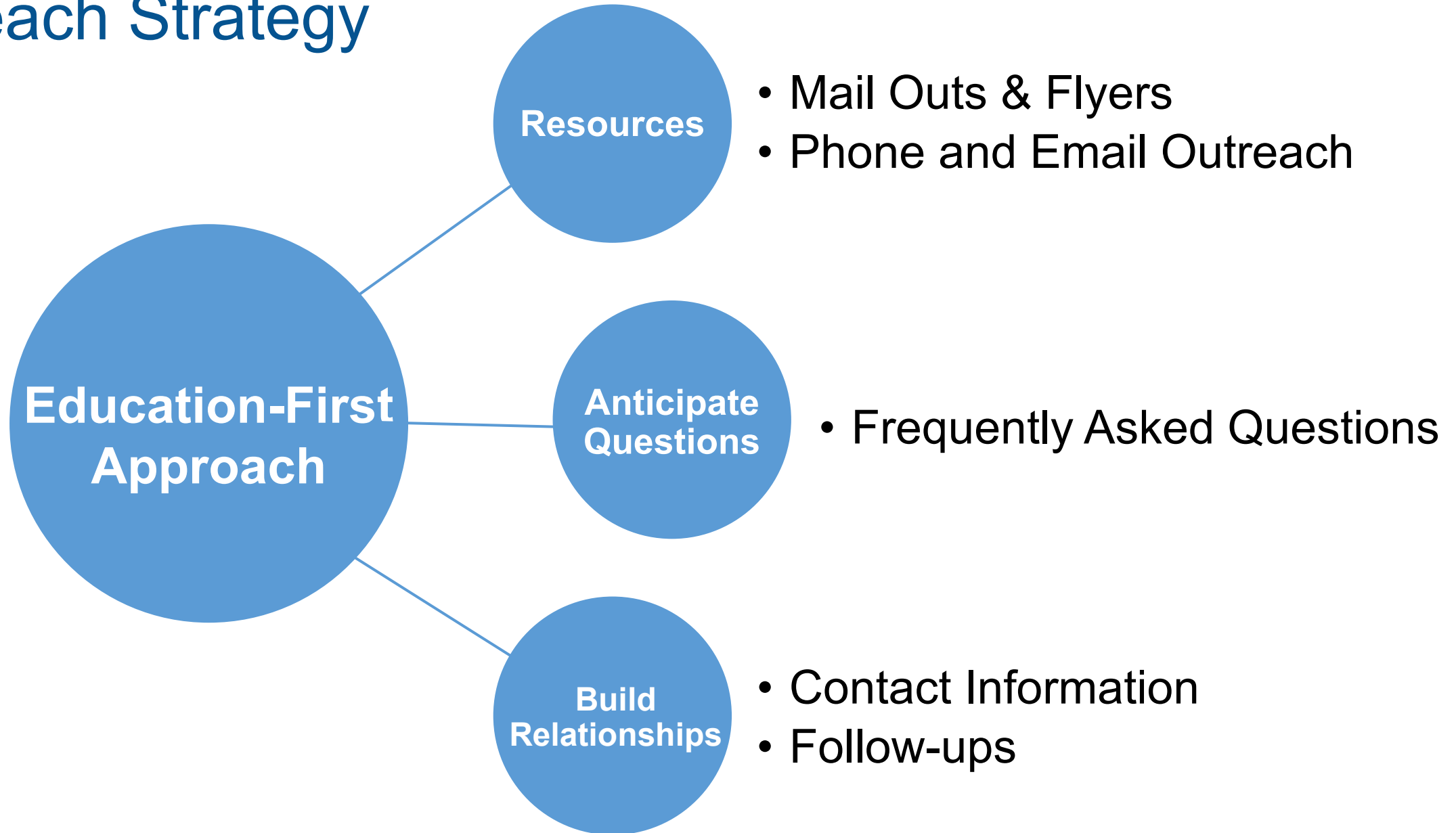
Nearly 1,000 privately owned WQUs exist in Brampton.

- Industrial, Commercial, and Institutional (ICI) sites
- Gas Stations and Automotive Service Stations
- Multi-Residential Properties

An aerial photograph of a park area. A paved road curves through the lower right portion of the image. To the left of the road is a large, dense forest of green trees. In the center, there is a small body of water, possibly a pond or a slow-moving stream, surrounded by more trees. The background shows a vast expanse of forest stretching towards a distant horizon under a blue sky with scattered white clouds. A tall, thin tower is visible on the horizon line.

Program Outreach Strategy

Outreach Strategy



Stormwater Charge Credit

- Eligible property owners may qualify for a Stormwater Charge Credit under the Water Quality Treatment and Pollution Prevention categories
- A professional engineer can calculate the specific percentage that they are eligible for
- Providing a credit of up to 20%



Stormwater Steward

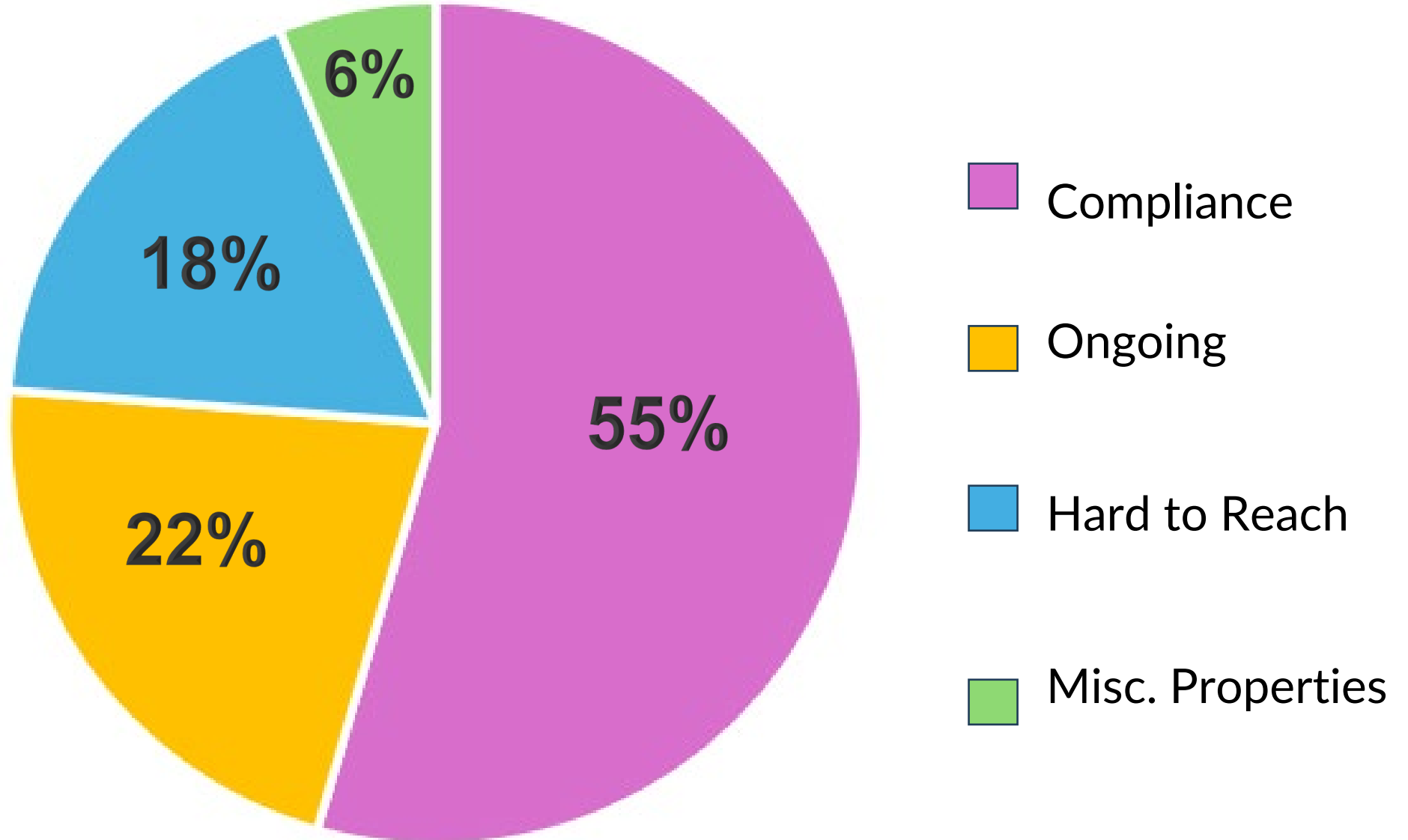


- Grow Green Environmental Recognition Program
- Property owners who regularly inspect and maintain their WQUs are recognized as Stormwater Stewards.

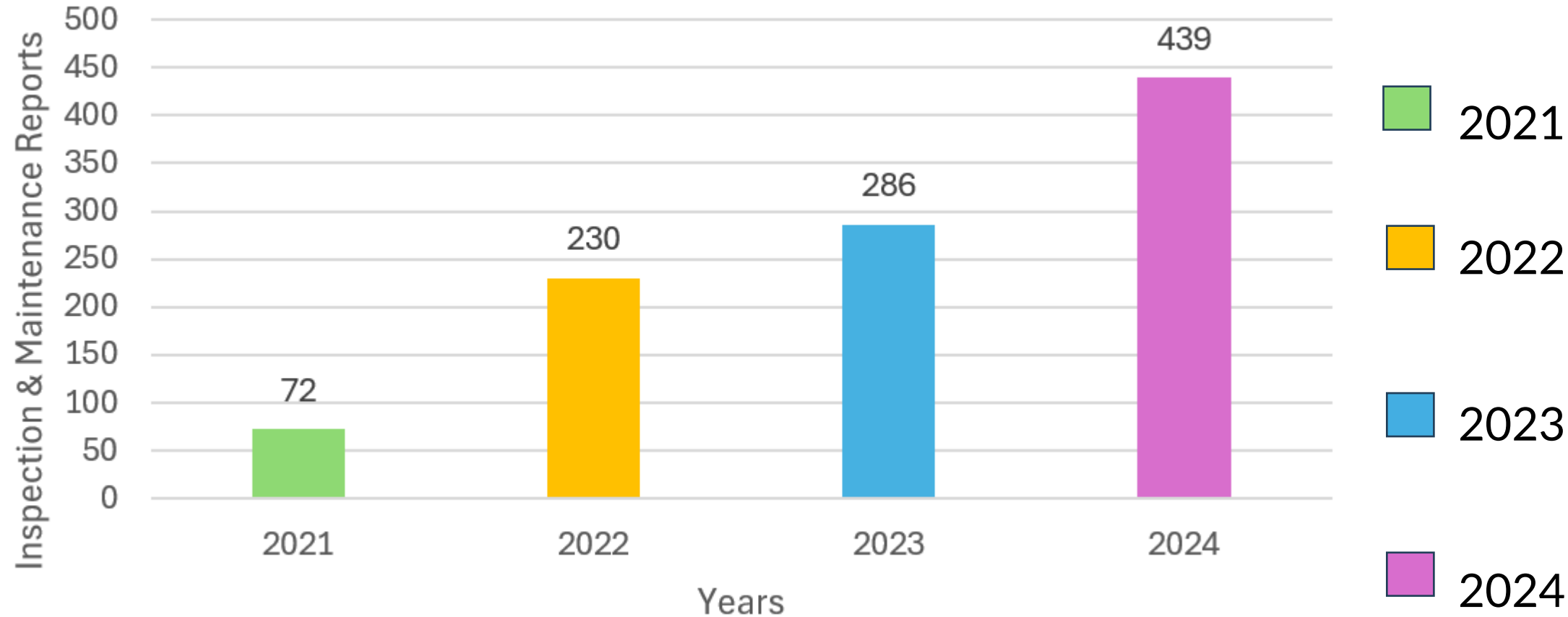
An aerial photograph showing a paved road that curves through a dense, lush green forest. The trees are vibrant green, suggesting a summer setting. In the far distance, a city skyline is visible under a bright blue sky with scattered white clouds. The overall scene conveys a sense of nature and urban development.

Program Progress

Tracking Outreach & Compliance Progress



Annual Inspection and Maintenance Reports



Environmental Impacts in Action



Environmental Results

800,000 L

Sediment
Removed*

4,000 L

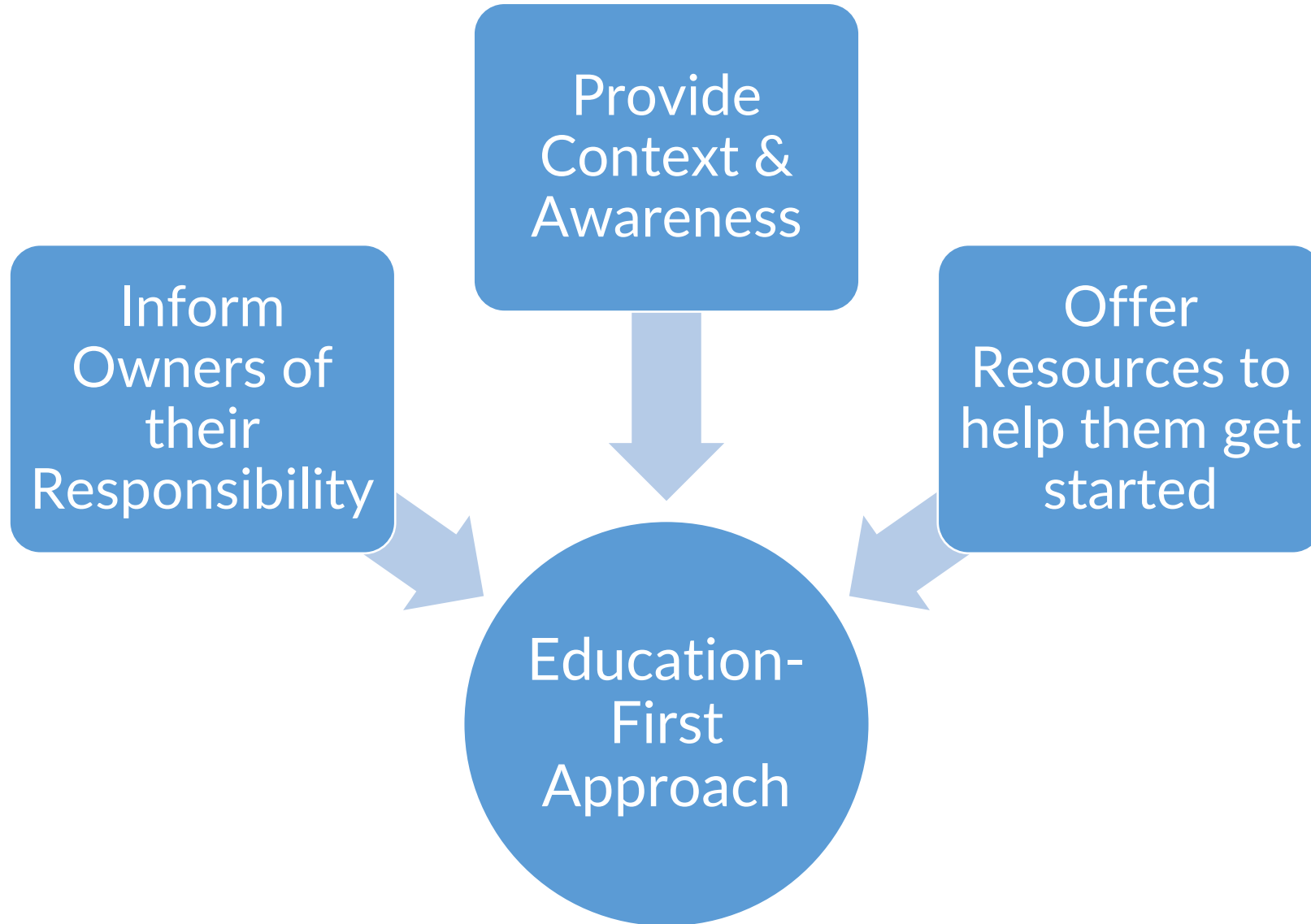
Oil
Removed*

*Estimated calculations based on data available



Takeaways

Engagement Strategy



Challenges: Identifying the Right Contact



Municipalities: How can you get started?

Build your Inventory

- Site Servicing Drawings (SSD)
- Manufacturers
- Locate Property Owner Information
- Resources & Scripts

Organize your Data

- Shared library
- Asset Management Systems

Begin Outreach

- Who owns what?
- Who manages what?
- Provide resources

Data Tracking

- Outreach Efforts
- Environmental Results

Thank You!

Questions?

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