

Sewer Use By-Law

- Ministry of the Environment and Climate Change (MOECC) regulates the City's discharges to the Grand River
- The City regulates discharges to its sewer system through the sewer use by-law
- Wastewater optimization program recommended by-law be strengthened
- City staff used the Canadian Council of Ministers of the Environment model by-law as a technical reference source
- Old by-law allowed for long term Over-Strength Agreements with no loading limits
- New by-law uses Compliance Agreements that plot a course to meet all by-law limits
- New over strength formula simplifies cost recovery



Compliance agreements

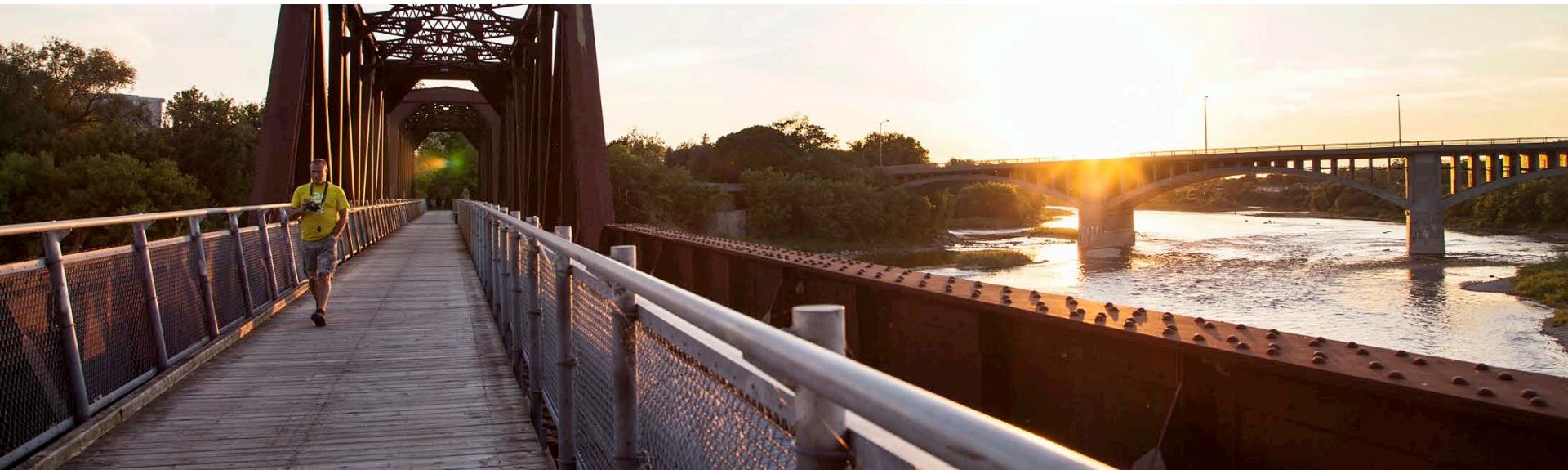
- Over-strength Agreement holders were transitioned into Compliance agreements
- WWTP protected while allowing businesses to continue to operate
- In first 3 months Industries must:
 - Start sampling and monitoring, perform loading calculations and report
 - Initiate feasibility study
 - Meet with City quarterly
 - Continue to pay Overstrength Fee and admin fees
- Within 12 months:
 - Complete feasibility study
 - Outline details of Compliance Program
- Opportunity to enter new Compliance Agreement to implement Program
- At the end of the Program industries will be discharging at or below bylaw limits and will no longer be required to pay any additional fees



Effect of New By-Law

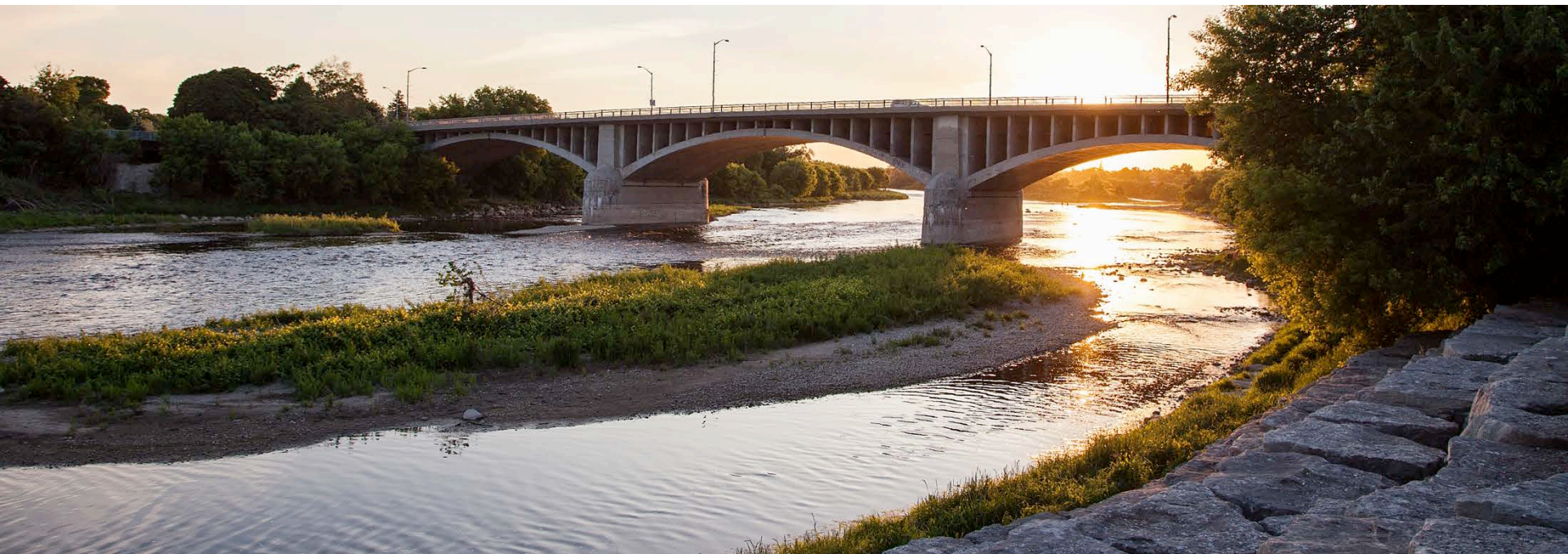
Actions we anticipated industries would take:

- Install instrumentation
- Identify processes using water and generating wastewater
- Inventory raw materials and their effect on effluent
- Perform internal water balances
- Examine cleaning and sanitation practices
- Investigate 24/7 work activities

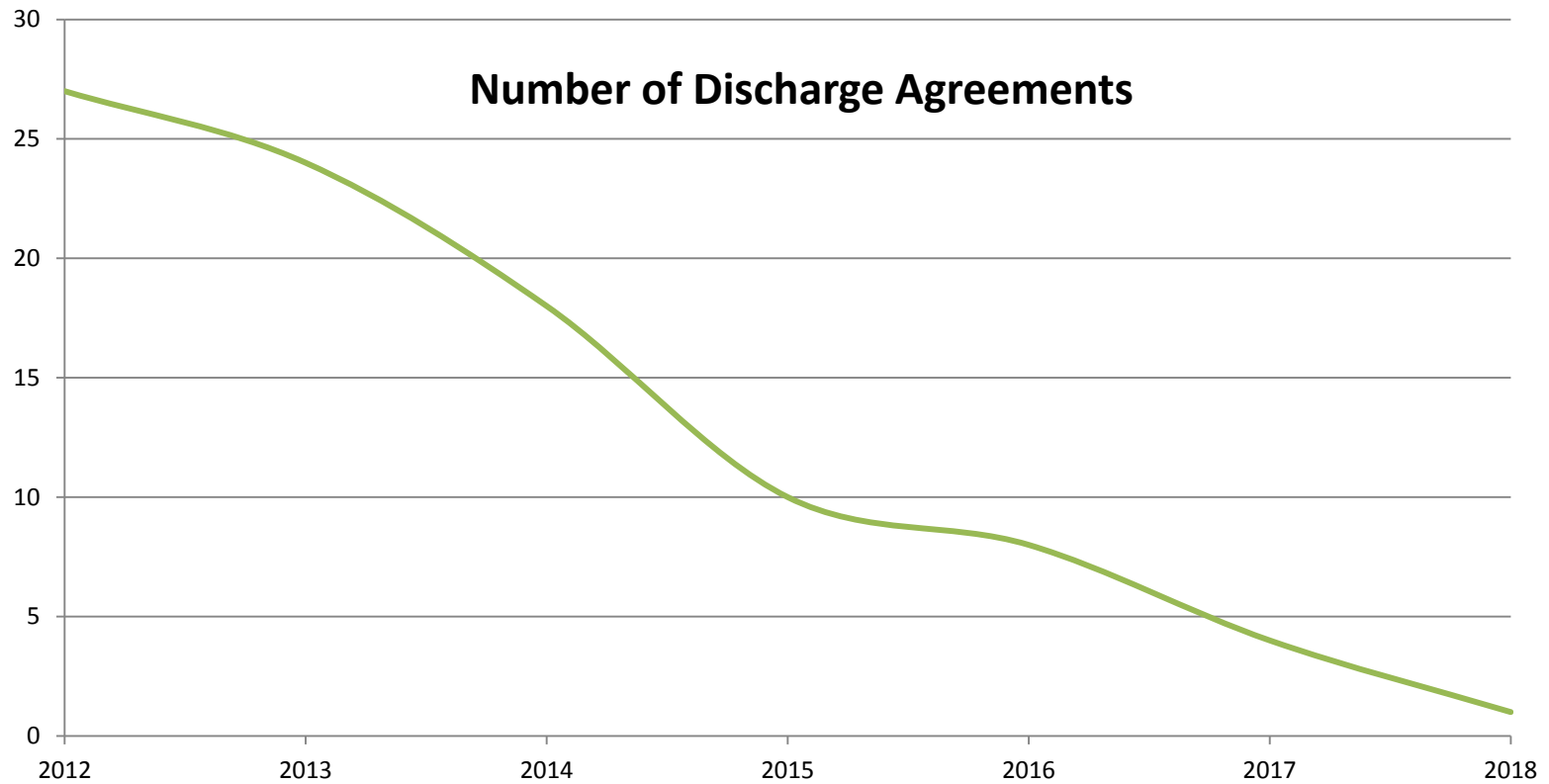


Timeline

- April 2014 – new by-law approved by council
- June 2014 – cancellation notices sent for over-strength agreements
- Dec 2014 – compliance agreements signed
- March 2015 – monitoring equipment installed, feasibility studies started
- Dec 2015 – compliance Program proposals due



Progress Chart – current and anticipated



Case Study Background

- Maple Leaf Foods is one of the largest water users in the City
- In an over-strength surcharge agreement from 1977-2014

