




Domestic Action Plan (DAP): London




CWC Meeting
DAP London: A Proposal for Phosphorus Reduction
 September 26, 2017




Summary & Purpose

Binational
(Canada/US)




2012

Domestic
(Canada/Ontario)



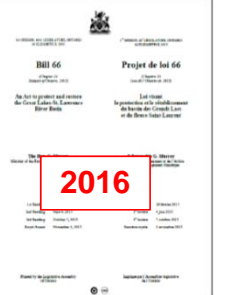
2014

Subnational (ON /
Michigan/Ohio)



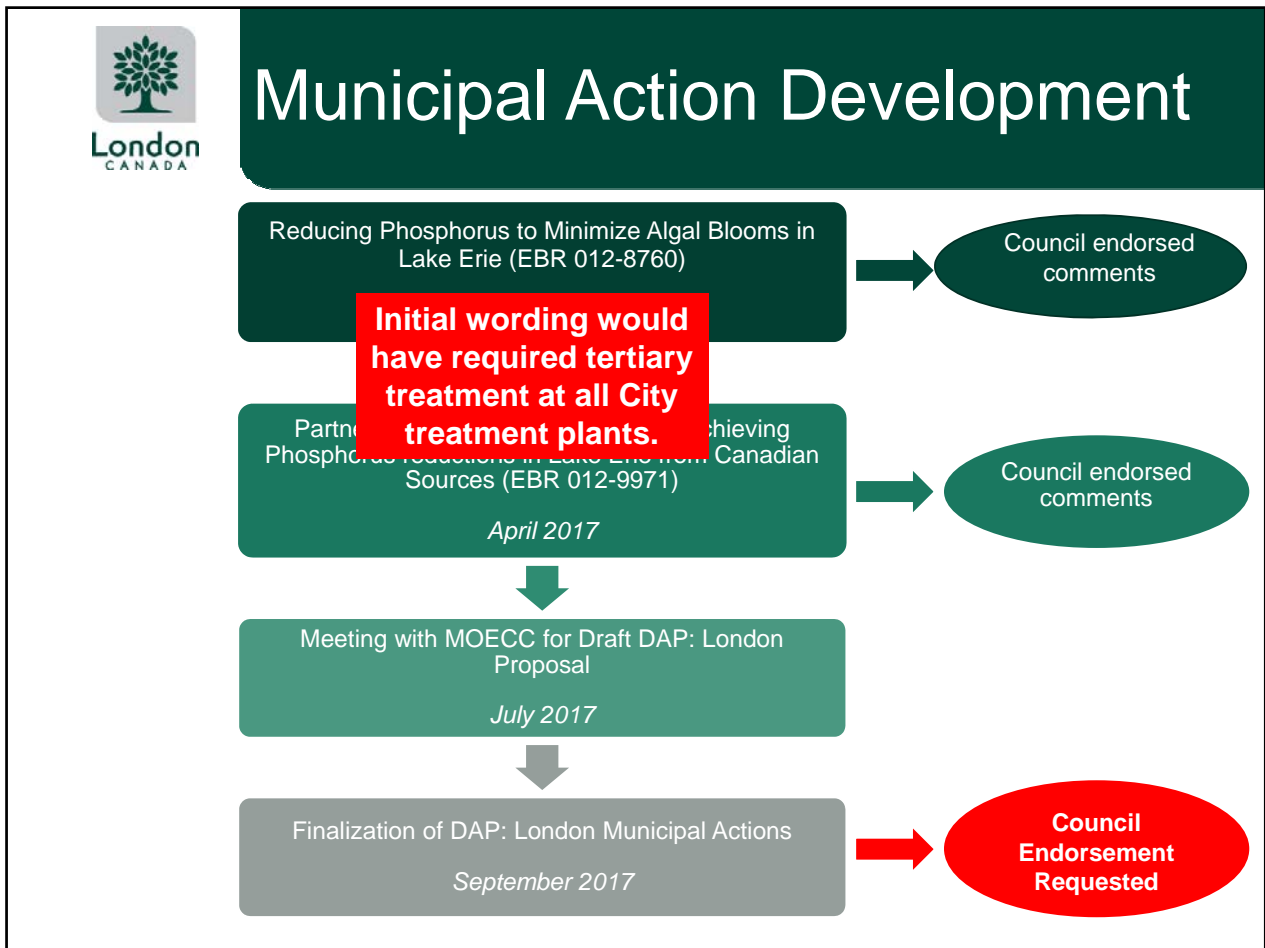
2015

Province
(Ontario)



2016

- Domestic Action Plan (Canada\Ontario) to be completed in 2018.
- Target **40% phosphorous reduction by 2025**(from 2008 levels).
- Thames River one of Lake St. Clair/ Lake Erie's largest tributaries.
- City of London is the largest municipality within **Thames River watershed**.



Funding Approach

London CANADA

- Municipal Actions are linked to funding.
- CWWF **Green Infrastructure** fund.
- Working closely with City's government and external relations group.



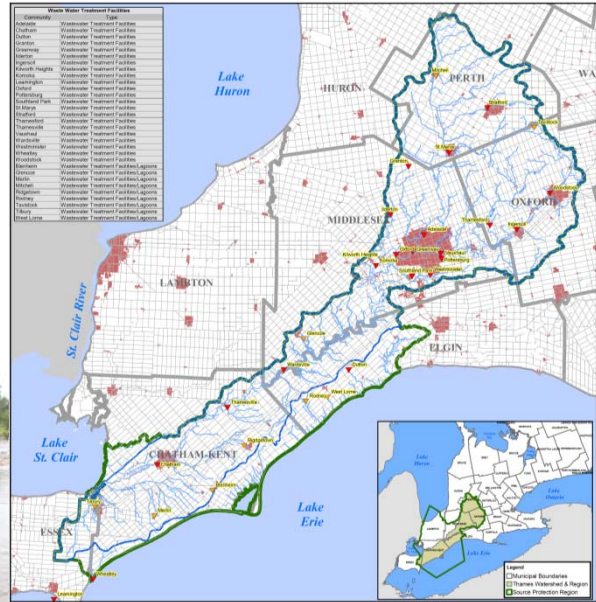
 PUBLIC TRANSIT  GREEN  SOCIAL  TRADE AND TRANSPORTATION  RURAL AND NORTHERN COMMUNITIES



Municipal Action

Leader in Watershed Monitoring

- Coordinate monitoring with Upper Thames River Conservation Authority.
- Ensure **efficient use** of UTRCA/City monitoring resources.



Municipal Action

Enhanced Wastewater Treatment

- Initiate **Pilot projects** for phosphorous reduction
- Cost effective alternatives to conventional tertiary treatment
 - Goal of 0.1 mg/L P effluent
- Develop plan to **roll-out technologies** at other WWTPs

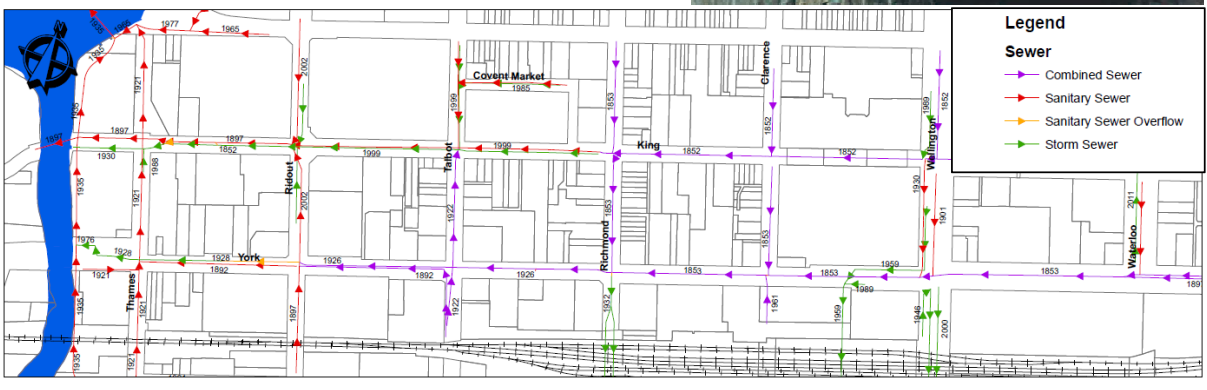




Municipal Action

Combined Sewer Replacement

- **Accelerate plans** to separate combined sewers.
- Target 80% (**17 km**) to be replaced by 2025.



Municipal Action

Sewer System Overflow Reduction

- **Implementation plan** for managing the highest priority sanitary sewer overflows – identified in Pollution Prevention and Control Plan.
- Facilitate in-field end of pipe **pilot project** – along with Trojan Technologies and Western University.





**Municipal
Action**

Low Impact Development Rollout

- Implement low impact development in coordination with infrastructure renewal program.
- Aligns with anticipated MOECC LID manual.



**Municipal
Action**

Stormwater Retrofits

- **Expand monitoring program** to prioritize the retrofitting of SWM ponds
- Evaluate the feasibility of a **stormwater sediment handling facility**





Benefits to the City of London

1. Actions tied to receiving federal/provincial funding
2. Flexible (non-prescriptive) actions
3. Alignment with current City priorities:
 - Replacing combined sewers
 - Reducing sewer overflows
 - Rolling out LID

