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Budget -- Best Management Practice -- Goals

Being prepared to meet
changing regulations

Managing water from
all sources supportively:

Protect; Conserve; Treat
Long Term Sustainability





A Best Management Practice Method

One Water theme:

Managing water in all its forms to one ethic

Quality Management system – accountability, communication, transparency





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Role in the London Plan and Strategic Plan

Great Lakes: Bill 66 to effect a 40% reduction in phosphorus

Thames Watershed: Thames River Clear Water Revival

London: \$318M last 10 years Lifecycle and Service Improvement
\$517M over next 10 years (\$162M from 2016-19)

Sewage Treatment: Chemically Enhanced Primary Treatment, capacity, storage

Stormwater: Low Impact Development standards, SWM ponds

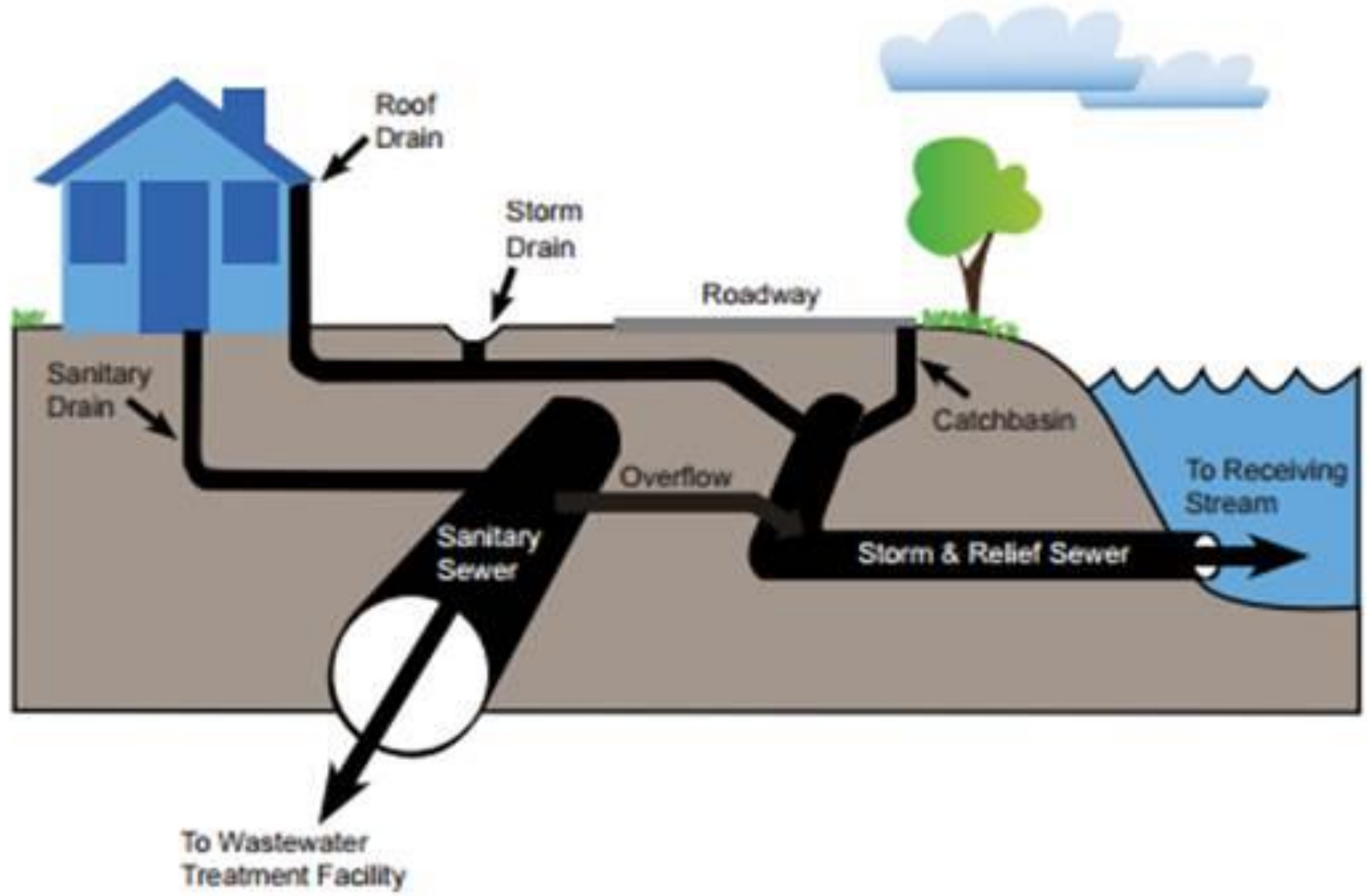
Pollution Prevention and Control Plan





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Pollution Prevention and Control Plan

Primary Objective -- create a long-term master plan to reduce the volume and frequency of sanitary overflow discharge to the Thames River.

How -- field investigation, hydraulic modelling, water quality analysis, overflow characterization and priority ranking, and strategies to mitigate and manage sewer overflows.



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Next Steps

- Complete final round of hydraulic modelling assignments (5 assignments in 2016);
- Consolidate modelling results to create overflow characterization and priority ranking;
- Initiate Phase III (final phase) to form strategy to address and mitigate overflows; beginning with sites at top of priority ranking list.



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Next Steps

- Next public meeting on Phase II completion -- later this year
- Consulting assignment award for Phase III -- later this year
- Complete Master Plan – next year
- Master Plan EA
- <http://www.london.ca/residents/Environment/EAs/Pages/Pollution-Prevention-and-Control-Plan.aspx>

Service Grouping: Wastewater and Treatment

Category: Service Improvements

| | Prior Years | Revised | Proposed Budget | | | | Forecast | Total | | | | | | | | | | | | | | | | | | | | |
|--|--------------|--------------|-----------------|--------------|-------|-------|--------------|--------|--|------|------|------|------|--------------|-------|-------|-------|-------|---------------------|-----|-----|-----|-----|------------------------|--------------|--------------|--------------|--------------|
| | | Budget 2015 | 2016 | 2017 | 2018 | 2019 | 2020 to 2025 | | | | | | | | | | | | | | | | | | | | | |
| ES244216 Extension of Sanitary Services | | 200 | 800 | 800 | 800 | 800 | 4,000 | 7,400 | | | | | | | | | | | | | | | | | | | | |
| <p>Cost sharing project for the extension of services to unserved parts of the urban growth area and beyond. City's share is in accordance with the Local Improvement Act on case-by-case basis, due to exemptions that occur on each project. 50% City; 50% Cash Payments, to be refined during design.</p> <p>Financing:</p> <table border="1"> <thead> <tr> <th></th> <th>2016</th> <th>2017</th> <th>2018</th> <th>2019</th> </tr> </thead> <tbody> <tr> <td>Reserve Fund</td> <td>\$400</td> <td>\$400</td> <td>\$400</td> <td>\$400</td> </tr> <tr> <td>Other Contributions</td> <td>400</td> <td>400</td> <td>400</td> <td>400</td> </tr> <tr> <td>Total Financing</td> <td>\$800</td> <td>\$800</td> <td>\$800</td> <td>\$800</td> </tr> </tbody> </table> | | | | | | | | | | 2016 | 2017 | 2018 | 2019 | Reserve Fund | \$400 | \$400 | \$400 | \$400 | Other Contributions | 400 | 400 | 400 | 400 | Total Financing | \$800 | \$800 | \$800 | \$800 |
| | 2016 | 2017 | 2018 | 2019 | | | | | | | | | | | | | | | | | | | | | | | | |
| Reserve Fund | \$400 | \$400 | \$400 | \$400 | | | | | | | | | | | | | | | | | | | | | | | | |
| Other Contributions | 400 | 400 | 400 | 400 | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Financing | \$800 | \$800 | \$800 | \$800 | | | | | | | | | | | | | | | | | | | | | | | | |
| ES246416 Combined Sewer Separation Replacement | | 1,480 | 6,890 | 6,350 | 6,000 | 6,250 | 51,450 | 78,420 | | | | | | | | | | | | | | | | | | | | |
| <p>This project is undertaken to investigate, monitor, model, develop and implement solutions to reduce or eliminate combined sewer overflows (CSO's). Study work will develop a list of priorities. Some projects are already defined and planned for design and construction in the short term. Construction of separate storm and sanitary sewers are planned for a number of areas, which will effectively reduce the volume of storm drainage diverted to the sanitary sewer system and prevent/reduce CSO's to the Thames River. Coordinated with water project EW3656-2 - Wellington Road Area Watermain Replacement.</p> <p>2016-2019 Financing: Reserve Fund</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ES2468 Problematic Sump Pump Discharge Program | 200 | 200 | 200 | 200 | 200 | | | 1,000 | | | | | | | | | | | | | | | | | | | | |
| <p>Eliminate chronic icing and wet conditions due to problematic sump pump discharges on City right-of-way.</p> <p>2016-2018 Financing: Reserve Fund</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | |