January 28, 2016 SPPC

- b) consideration of the key project planning directions and associated preliminary construction timelines for the following projects, as contained in the staff report dated January 28, 2016, BE REFERRED to the March 8, 2016 meeting of the Civic Works Committee, for discussion and debate, in order to allow any parties who wish to have delegation status on these matters an opportunity to be heard:
- i) Back to the River "Ribbon of the Thames" concept plan
 ii) Springbank Dam Replacement Gates



February 2, 2016 CWC

Staff Report – Information on Springbank Dam

That the following actions be taken with respect to the Springbank Dam:

- a) delegation requests for the February 2, 2016 meeting of the Civic Works Committee BE APPROVED;
- b) a public participation meeting BE HELD at the Civic Works Committee meeting to be held on March 8, 2016, in order to hear further public input with respect to this matter; and,
- c) the staff report dated February 2, 2016, BE REFERRED to the March 8, 2016 meeting of the Civic Works Committee for consideration;



This Presentation

Springbank Dam Information (Feb 2 CWC)

Environmental Assessments

Basis for recommended EA Master Plan



Springbank Dam

One of over 200 dams in the Upper Thames River One of 10 recreation dams operated by UTRCA Dam since 1870s – this structure since 1929

2003 EA for preferred debris passage ability 2006/7 construction -- 2008 gate failure Litigation until late 2015 -- \$3.775 settlement



Permits and Approvals

- Federal Department of Fisheries and Oceans
 - Fisheries Act (fish passage study 2008 2010)
 - Species at Risk Act
- Province Ministry of Natural Resources and Forestry
 - Lakes and Rivers Improvement Act
 - Endangered Species Act

Now: Spiny Softshell Turtle, Queensnake, Eastern Hognosed Snake, Salamander Mussel and Silver Shiner

Permits and Approvals

- Province Ministry of Environment and Climate Change
 - Environmental Protection Act
 - Environmental Assessment Act completed 2003

- Province UTRCA
 - Conservation Authorities Act





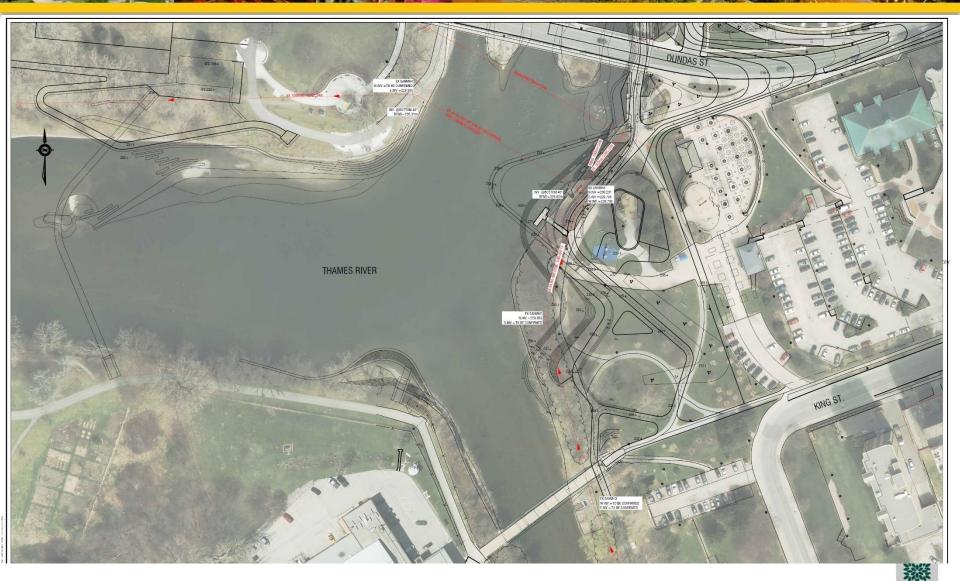
Water Quality

- London and Upstream: 485,000 population;
 3600 farms; 2000 livestock operations
- These are significant factors in Thames River water quality.
- Continuous improvement since before dam project and after – 11 of 16 MOECC criteria met
- Examples -- Phosphorus loading from London plants down -- E. Coli plant discharges less than river entering London.

Environmental Assessment

- Mandated for certain types of projects
- Springbank Dam for any activity other than repair
- BTTR any of the concepts
- Any other project impacting the river environment
- Master Plan EA collective impacts of a group of projects are assessed – not piecemeal

LONDON CITY OF OPPORTUNITY



London

Environmental Assessment

- Phase 1 opportunity or problem
- Phase 2 alternative solutions
- Phase 3 alternative design concepts
- Phase 4 report
- Phase 5 execute (direction from EA on design and construction; approvals)
- Master Plan includes Phases 1 and 2
- Individual projects complete the process



One River EA Master Plan

- Step back and set a plan for the river -- how will people interact with the river?
- No preconceived notions
- Consider implications of no plan:
 - Public safety
 - Managing natural environment (eg. SARS protection)
 - Investment objectives possibly not achieved and/or not sustainable
 - Agency approvals if piecemealed is questionable



One River EA Master Plan

Recognize:

- Public safety (381,000 people / 1 river)
- Natural environment
- Urban environment
- Everyone and everything
- Why and how people interact with the river to view it, get next to it, boat on it, fish in it, appreciate it ...

One River EA Master Plan

- Set direction for dam
- Set design criteria for BTTR
- Identify other activities / work consistent with the plan – sustainable in an urban setting
- Effort
 - Timeline up to 2 years depending on natural env. inventories (1-1/2 to 2 years for BTTR alone)
 - Funding available (subject to 2016 19 Budget approval



Recommendation

That, on the recommendation of the Managing Director, Environmental & Engineering Services & City Engineer the Civic Administration BE DIRECTED to develop a Terms of Reference and budget for a consultant assignment to complete a "One River" Master Plan Environmental Assessment Study that would encompass an area from the Springbank Dam to the Forks of the Thames and Harris Park.

