

KEEPING THE BALANCE: FEATURE-BASED WATER BALANCE IN THE PLANNING PROCESS

June 20, 2019 • Black Creek Pioneer Village, Weston Room • 1000 Murray Ross Pkwy, North York, ON

Workshop Agenda

9:00-9:30 – Registration and coffee

9:30-10:15 – Introduction and overview

- What is a “feature-based water balance” (FBWB) study? Why bother doing one?
- Context within provincial planning policy and TRCA-CVC SWM criteria
- What happens when FBWB is not given due consideration?
- Circumstances in which FBWB might be required
- Overview of FBWB process and corresponding tools and guidelines

10:15-10:25 – Morning break

10:25-11:10 – Session 1: How do I know if I have to do an FBWB? Why and when do I need to monitor?

- How do I scope an FBWB study using the *Risk Evaluation*?
- What information and data are required?
- When does this take place within the planning process?
- What is the purpose of monitoring? When do I need to start?
- Applied example(s) using the *Risk Evaluation*

11:10-12:00 – Breakout exercise #1: Scoping an FBWB

12:00-1:00 – Lunch

1:00-1:30 – Session 2: How does modelling inform development design?

- What is a water balance model? Why a continuous hydrology model?
- How is modeling used to assess the need for and design of mitigation?
- What should you look for in a modeling team?
- Applied examples of mitigation design
- How do I know if a mitigation system is functioning properly?

1:30-2:15 – Breakout exercise #2: Water balance discussion

2:15-2:45 – Conclusion: post-development

- What happens during and after construction?
- What is an adaptive management plan for FBWB?
- How can monitoring and design accommodate adaptive management?
- Research at TRCA to inform improvements to FBWB process
- Summary of FBWB process and supporting tools and guidelines