



## OWWA WATER AND ENERGY EFFICIENCY COMMITTEE FALL WEBINAR

### *3 Ps in Water Efficiency (Policy, Program, and Projects)*

Wednesday, October 20, 2021

12:00 PM -1:30 PM

#### **12:00 PM Opening Remarks**

#### **12:05 PM Building in Water Efficiency from the Start**

Jonah Schein, WaterSense, U.S. Environmental Protection Agency

Decisions we make when we build a home today will have long-lasting impacts on our communities and water resources. As we look to build new or remodel older homes, we should look to build water efficiency into the design and construction of homes. The U.S. EPA WaterSense program recently changed their labeled homes program, placing an emphasis on water savings and flexibility without sacrificing efficiency or performance. New construction and substantial renovation, represent the best possible point of intervention to achieve maximum water savings for minimal incremental cost. WaterSense labeled homes Version 2.0 is designed to serve as a blue print for builders and communities to produce high performing, water efficient homes. A case study will be presented to demonstrate the application of this program.

#### **12:25 PM Rainwater Harvesting**

Sara Finley, Policy Analyst, Infrastructure Canada; Bill Gauley, Principal, Gauley Associates Ltd.,

The Canadian National Plumbing Code will be updated in late 2021 to include a section outlining the requirements with building and using rainwater harvesting systems of non-potable water. This presentation will highlight some of the requirements and permitted applications where non-potable rainwater can be used.

#### **12:45 PM Investigating the Technical and Financial Feasibility of a Smart Blue Roof**

Rohan Hakimi, Engineer, Integrated Water Management, Credit Valley Conservation Authority

Credit Valley Conservation's (CVC) main office has a large, flat roof, making it an ideal place to implement a smart blue roof system for stormwater management. Blue Roofs detain stormwater, releasing it slowly after rainfall events or allowing it to pond and evaporate and in some cases storing it for non-potable reuse. A Smart Blue Roof integrates smart elements for active control of the system to optimize benefits. This presentation will outline the results of our initial feasibility study as well as the design process to date; highlighting the potential benefits of a smart blue roof + rainwater harvesting system and the considerations and challenges faced during the design process.

#### **1:05 PM Panel Discussion**

#### **1:30 PM Closing Remarks**



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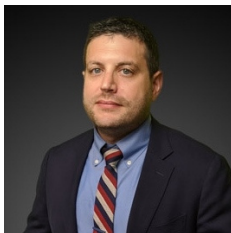
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#### **Featured Speakers:**

##### **Jonah Schein, WaterSense, U.S. Environmental Protection Agency**



Jonah Schein is the National Program Manager for Homes & Buildings at the U.S. Environmental Protection Agency's (EPA) WaterSense® Program. He has overseen the technical development and implementation of the WaterSense labeled homes program since its inception. He has overseen numerous efforts to better understand and influence water use in the field. In addition to the WaterSense labeled homes program, these have included the EPA Water Score for multifamily properties as well as several standards, research reports, and papers focused on modelling, quantifying, and understanding water use. Mr. Schein holds Bachelor of Arts and Bachelor of Science degrees from Indiana University as well as a Master of Science in Environmental Science from the Johns Hopkins University.

##### **Sara Finley, Policy Analyst, Infrastructure Canada**



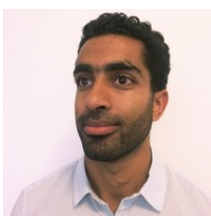
Sara Finley is a researcher and consultant with extensive expertise in water management and water use efficiency developed through 15+ years of work with engineering and architecture firms in Quebec and Ontario. Since 2008, Sara has led training seminars in residential water management and rainwater harvesting with Écohabitation, a green building NGO based in Montreal. Currently employed as a policy analyst with Infrastructure Canada, she also sits on several professional committees at the provincial and federal level, including the Water Efficiency Task Group responsible for reviewing national codes within the National Research Council.

##### **Bill Gauley, Principal, Gauley Associates Ltd.**



Bill is an internationally recognized water efficiency expert. He has 25 years of experience developing municipal water efficiency strategies, developing standards for water efficiency products, conducting water-efficient fixture testing, and working with public and private clients to reduce system water demands. In 2002 Bill co-created the de facto performance rating system for water-efficient toilets in North America – the Maximum Performance or MaP Program – a performance optimization system now used by all major toilet manufacturers, the U.S. EPA's WaterSense® program, and certification agencies. Bill is a technical advisor to both the U.S. EPA and the Alliance for Water Efficiency.

##### **Rohan Hakimi, Engineer, Credit Valley Conservation Authority**



Rohan Hakimi is an Engineer working on the Integrated Watershed Management team at Credit Valley Conservation (CVC). He provides technical support for the implementation of green infrastructure, low impact development and pollution prevention projects to improve community resiliency and to protect the environment. Previously, Rohan worked abroad on innovative water management projects and obtained his bachelor's and master's in Environmental Engineering from the University of Guelph.

Registration can be found online at: <https://owwa.ca/events-list.html>

**Registration Fees:**

- Members: \$29 (+HST)
- Non-Members: \$49 (+HST)
- Students: Free

HST number: # R122057458

·Questions regarding registration should be directed to the OWWA office at (416) 231-1555 or [waterinfo@owwa.ca](mailto:waterinfo@owwa.ca)

·Attendance is by advance registration only

·Webinar participants may be eligible to receive CEUs upon attending. Please provide your WWOCS numbers on the registration form

·Cancellation requests must be made in writing and sent to the OWWA office via email. Telephone cancellations will not be accepted. All cancellations dated up to and including one week before the webinar will be refunded. Refunds will not be issued for cancellations received after this date.

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