

Table 1
York Region Research and Innovation Partnerships and Initiatives

Partnership Type	Partner	Partnership Initiatives
Regulators and Agencies	Agriculture and Agri-Food Canada	<ul style="list-style-type: none"> • Antibiotics resistance associated with wastewater effluents • Water Reuse Demonstration project
	Chippewas of Georgina Island	<ul style="list-style-type: none"> • Emerging Water Quality Constituents Information Sharing Session (August 22, 2019)
	Lake Simcoe and Region Conservation Authority	<ul style="list-style-type: none"> • Stormwater pond retrofits for phosphorus offsets • Lake Simcoe watershed algae monitoring: benthic sampling, blue-green algae event • Source protection: road salt monitoring and education • Macro Stormwater Management Project (East Holland sub-watershed) • Emerging Water Quality Constituents Information Sharing Session (August 22, 2019)
	Ministry of the Environment, Conservation and Parks	<ul style="list-style-type: none"> • Draft Terms of Reference: Determination of Minimum Treatment for Municipal Residential Drinking Water Systems Using Subsurface Raw Water Supplies • Determination of per-fluorinated compound levels in industrial wastewater discharges • Western Durham Nearshore program • Advocacy and consultation • Emerging Water Quality Constituents Information Sharing Session (August 22, 2019)
	Toronto and Region Conservation Authority	<ul style="list-style-type: none"> • Western Durham Nearshore Program: algae and nutrient study of Lake Ontario supporting Duffin Creek outfall • Emerging Water Quality Constituents Information Sharing Session (August 22, 2019)

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Industry Associations	American Water Works Association	<ul style="list-style-type: none"> • Leadership by staff (Distribution System Water Quality Committee, industry manual development) • Adenosine Tri-phosphate and Coliform Analysis Comparison for Infrastructure Release for Service project • Disinfection by-product research: Organochloramines
	Canadian Water Network	<ul style="list-style-type: none"> • A nationwide consortium of municipal water leaders to undertake research in areas of emerging contaminants, fiscal sustainability, nutrient management and water reuse
	Canadian Water and Wastewater Association	<ul style="list-style-type: none"> • Wastewater and Stormwater Committee participation
	Global Water Leaders Group	<ul style="list-style-type: none"> • A global network of utility leaders sharing experience and innovative approaches in water and wastewater. Recently published white paper on “Accelerating the digital water utility”
	Ontario Water Works Association	<ul style="list-style-type: none"> • Advocacy, industry leadership; water quality, asset management and conservation • Committee participation: Automation, Distribution Groundwater, Source Water Protection, Treatment, Young Professionals
	Water Research Foundation	<ul style="list-style-type: none"> • Developing Guidance for Assessment and Evaluation of Harmful Algal Blooms, and Implementation of Control Strategies in Source Water (project) • Leading Water and Wastewater Utility Innovation (project) • Staff education through webinars and resource materials
Consultants	Black and Veatch, Canada	<ul style="list-style-type: none"> • Water Reuse Demonstration project
Public Utilities	City of Toronto	<ul style="list-style-type: none"> • Corrosion Control Monitoring, Nitrification Monitoring and Prevention • Participant in Drinking Water Research Group, Natural Sciences and Engineering Research Council of Canada

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	Regional Municipality of Durham	<ul style="list-style-type: none"> Phosphorus Reduction Action Plan at Duffin Creek Participant in Drinking Water Research Group, Natural Sciences and Engineering Research Council of Canada Chair
	Regional Municipality of Peel	<ul style="list-style-type: none"> Treatment optimization, data sharing Participant in Drinking Water Research Group, Natural Sciences and Engineering Research Council of Canada Chair
Universities	Drinking Water Research Group, University of Toronto	<ul style="list-style-type: none"> Natural Sciences and Engineering Research Council of Canada Industrial Research Chair in Drinking Water Natural Sciences and Engineering Research Council of Canada Collaborative Research and Development: Cyanotoxin Control Strategies in Drinking Water Developing Guidance for Assessment and Evaluation of Harmful Algal Blooms, and Implementation of Control Strategies in Source Water (Water Research Foundation) Pipe loop and reactor distribution system investigation of residual loss
	Trent University	<ul style="list-style-type: none"> Emerging contaminants passive sampling program for water and wastewater
	University of British Columbia	<ul style="list-style-type: none"> Keswick Water Resource Recovery Facility: Addressing Cold Water Treatment Challenges
	Queen's University	<ul style="list-style-type: none"> Understanding distribution system maintenance, biofilm growth and sediment mobilization and deposition
Universities Cont'd	University of Waterloo	<ul style="list-style-type: none"> Keswick Water Resource Recovery Facility: Addressing Cold Water Treatment Challenges Soil Resource Group: Water Reuse Demonstration project Multi-Residential Food Waste Grinder Impacts study