



SOUTH NATION  
**CONSERVATION**  
DE LA NATION SUD

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## **Clean Water Committee**

# **Supplemental Agenda**

**Date:** November 27<sup>th</sup>, 2023

**Time:** 10:00 am

**Location:** SNC Watershed Room  
SNC Office  
38 Victoria Street  
Finch, ON K0C 1K0



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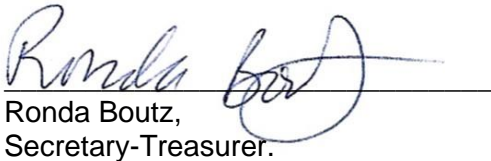
## Clean Water Committee

# Supplemental Agenda

November 27<sup>th</sup>, 2023 at 10:00 am

### 1. New Business

- a. Eastern Ontario Water Resources Program Grants
  - i. Request for Approval: Eastern Ontario Children's Water Festival: Alanna 3-5
  - ii. Request for Approval: Advancing Early Warning Tools in the South Nation River Watershed: Kat 6
  - iii. Request for Approval: Modelling Water Systems on Farms in the Bear Brook Watershed: Kat 7
- b. Request for Approval: Eastern Ontario Water Resources Program 2023 Financial Statement – as of October 31<sup>st</sup>, 2023: Ronda 8-9
- c. Clean Water Program Grants: Reps 10

  
Ronda Boutz,  
Secretary-Treasurer.

# Eastern Ontario Water Festival 2023



River Institute Education

For

Eastern Ontario Water Resources Program

November 27th, 2023

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## **Background**

The St. Lawrence River Institute of Environmental Sciences (River Institute) has been coordinating the Eastern Ontario Children's Water Festival since 2002. Our Festival is one of the 25 Children's Water Festivals offered throughout Ontario that aims to educate young people about the importance of protecting our water resources. Our bilingual, multi-day Festival normally takes place throughout the year at 3 different venues—Maitland, Casselman and Cornwall. Our Water Festival consists of 25 Water Discovery Centres designed to complement the grade 4 Ontario curriculum; delivered by trained high school students. Guest presenters are invited to each Festival to also deliver water-related messaging and activities.

In 2023, EOWRP approved funding of \$4,000 for retroactively support our virtual and in-person Water Festivals—as well as our goal of updating and fixing 10 stations and filming French-language versions of our training videos for high school students. This report outlines the activities, outcomes, and expenditures associated with the Water Festival.

The Clean Water Committee approves the final report and expenditures of \$4,000 for the Eastern Ontario Children's Water Festival in 2023.

## **2023 Virtual & In-Person Water Festival Outcomes**

We hosted one virtual Water Festival on April 21, 2023, and we did half the day in English and the other half in French. We had about 300 students attend from 13 different schools. We hosted our English Water Festival in Maitland on May 5, 2023. We had over 150 students attend from 4 different schools. We hosted our French Water Festival in Casselman on May 10, 2023. We had just under 100 students attend from 2 different schools. Finally, we hosted an English Water Festival in Cornwall on October 5, 2023. We had over 200 students attend from 3 different schools. A challenge we faced this year that it was hard for schools to participate because of the cost and availability of buses and bus drivers.

## **Filming Outcomes**

Funding had been approved to continue filming training videos for volunteers, in 2023 we focused our efforts on French training videos. Time was spent on reviewing current English training videos to target what was needed to be translated into French, planning and developing scripts & video ideas, coordinating with available staff, filming the videos themselves, and editing of videos. There are a number of videos to still be filmed in French, and we are in our editing process of videos already filmed.

## **Upgrading Stations Outcomes**

With the help of the EOWRP grant, we were able to enhance a total of 10 of our 25 Water Discovery Centres. By doing so, we were able to utilize all our Water Discovery Centres for both our English and French Water Festivals this year, maximizing their educational value and impact. This not only heightened the overall enjoyment of the Centres but also expanded the opportunities for learning. Water Discovery Centres needed repairs (e.g., replaced broken or rundown components), new materials (e.g., consumables) and upgrades (e.g., new handouts). Here are some examples of upgrades:

**Great! Lakes:** Tabletop poster of the Great Lakes for part of the activity & translated materials.

**What's the Catch:** Laminating all components of the game so they are waterproof & translating materials.

**Eggs to Adults:** improved the magnets so the game was easier and more enjoyable for the kids to play.

**Turtle Trauma:** the way we create our "road" was improved so it was easier for volunteers to set up.

**Dripial Pursuit:** translation of the question cards into French.

Several of our stations needed new materials because with every Water Festival, materials are used up. For example, we require blue food colouring, vegetable oil, vinegar, and other materials for a number of our Discovery Centres.

For more information on individual stations, contact our Water Festival coordinator, Alanna Akkermans at [aakkermans@riverinstitute.ca](mailto:aakkermans@riverinstitute.ca)

The 2023 EOWRP funds were allocated towards the costs of staffing costs, equipment, and admission as follows:

Expense	Program Funding	Partner Funding	Total
Staffing Costs	\$2000	\$4000	\$6000
Transportation	\$250	\$500	\$750
Admin	\$250	\$1000	\$1250
Program Materials	\$1500	\$4000	\$5500
Total	\$4000	\$9500	\$13500

\*Note: The River Institute also receives funding for Water Festivals from Ontario Power Generation, TD Canada Trust Friends of the Environment, TransCanada Corporation. In kind contributions are provided by the River Institute.



**To:** Clean Water Committee  
**From:** Kat Watson, Coordinator, Early Warning Systems and Watershed Plans  
**Date:** November 22<sup>nd</sup>, 2023  
**Subject:** Request for Approval: Advancing Early Warning Tools in the South Nation River Watershed Project

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**RECOMMENDATION:**

The Clean Water Committee receive and file the update for the Advancing Early Warning Tools in the South Nation River Watershed; and

FURTHER THAT: The Committee approve expenditures of \$6,260 in 2023; and

FURTHER THAT: The Committee approve to carry forward funds of \$13,740 for the Advancing Early Warning Tools in the South Nation River Watershed Project, to the 2024 Budget for project completion.

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**DISCUSSION:**

South Nation Conservation (SNC) has undertaken a project to advance early warning tools in the South Nation River Watershed to support programs such as the Flood Forecasting and Warning Program, the Low Water Response Program, as well as the Bear Brook Watershed Study.

Through an analysis of available water information in the Bear Brook Watershed, several data gaps were identified. Staff have worked to ensure that additional water quantity data is obtained in an accurate, reliable, and timely manner through the installation of two real-time hydrometric stations in Bear Brook: Hall Road in the City of Ottawa (2022), and Indian Creek Road in the City of Clarence Rockland (2023).

Flow rating curves are presently being developed for these two stations under the Advancing Early Warning Tools project. Staff have initiated flow monitoring for the two stations; however, the project has experienced some delays due to supply chain issues and delays in station installations. Additional work will be completed in 2024 to derive the rating curves and complete the project.

**FINANCIAL IMPLICATIONS/ADHERENCE TO SNC POLICY:**

Compliance with Budget: Studies are included in the 2023 Budget under Approvals, Projects: Subwatershed Studies, page 68-69.

SNC Policy Adherence: All purchases follow the SNC Purchasing Policy for purchases \$10,000 to \$25,000.

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Katherine Watson,  
Coordinator, Early Warning Systems and Watershed Plans

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**To:** Clean Water Committee  
**From:** Kat Watson, Coordinator, Early Warning Systems and Watershed Plans  
**Date:** November 22, 2023  
**Subject:** Request for Approval: Modelling Water Systems on Farms in the Bear Brook Watershed

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**RECOMMENDATION:**

The Clean Water Committee receive and file the update for the Modelling Water Systems on Farms in the Bear Brook Watershed Project; and

FURTHER THAT: The Committee approve expenditures of \$2,000 in 2023; and

FURTHER THAT: The Committee approve to carry forward funds of \$13,000 for the Modelling Water Systems on Farms in the Bear Brook Watershed, to the 2024 Budget for project completion.

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**DISCUSSION:**

South Nation Conservation (SNC) was retained by the City of Ottawa in 2023 to complete a Bear Brook Watershed Study due to increasing development pressure, the addition of urban expansion areas to the latest City of Ottawa Official Plan (2022), changing land use, and a changing climate.

One of the models that will help inform the Bear Brook Watershed Study is the development of the Bear Brook Water Budget. SNC has been working to update many data inputs that will support model development, however there is a need to ensure the accuracy of water systems in an agricultural context – including tile drainage systems and municipal drains. This project aims to:

- Collect available tile drainage and municipal drain data (OMAFRA, AgMaps)
- Complete a desktop digitization exercise to update water features on farms
- Validate product through producer interviews and field checks
- Publish product to Bear Brook watershed model

Staff have initiated the project, including acquiring imagery and hiring Aquanty to complete the work on the Bear Brook Watershed Model. Work will continue in 2024 with a goal of project completion in June 2024. Results will be included in the Bear Brook Characterization Report in November 2024.

**FINANCIAL IMPLICATIONS/ADHERENCE TO SNC POLICY:**

Compliance with Budget: Studies are included in the 2023 Budget under Approvals, Projects: Subwatershed Studies, page 68-69.

SNC Policy Adherence: All purchases follow the SNC Purchasing Policy for purchases \$10,000 to \$25,000.

Katherine Watson,  
Coordinator, Early Warning Systems and Watershed Plans



**To:** Clean Water Committee  
**From:** Ronda Boutz, Secretary-Treasurer  
**Date:** November 24<sup>th</sup>, 2023  
**Subject:** Request for Approval: Eastern Ontario Water Resources Program 2023  
Financial Statement – as of October 31<sup>st</sup>, 2023

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**RECOMMENDATION:**

The Clean Water Committee approve the 2023 Eastern Ontario Water Resources Program Financial Statement as of October 31<sup>st</sup>, 2023.

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**DISCUSSION:**

The 2023 Eastern Ontario Water Resources Program Financial Statement, as of October 31<sup>st</sup>, 2023, is attached.

**FINANCIAL IMPLICATIONS/ADHERENCE TO SNC POLICY:**

Compliance with Budget: Funding for the Eastern Ontario Water Resources Program is included in the 2023 Budget under Resource Management: Partner Programs: Water on pages 18-19.

SNC Policy Adherence: All expenditures for the Eastern Ontario Water Resources Program (EOWRP) adhere to the SNC Purchasing Policy and the approved EOWRP Budget.

Programs and Services Category: Category 2 – Municipal Agreements

Ronda Boutz,  
Secretary-Treasurer.

Attachments: 2023 Financial Statement – as of October 31<sup>st</sup>, 2023



## **2023 Financial Statement – as of October 31<sup>st</sup>, 2023**

United Counties of Prescott-Russell	\$25,000
City of Ottawa	\$50,000
Carry-over of 2022 dollars	\$23,046
<b>TOTAL REVENUE</b>	<b>\$98,046</b>

<b>Expenses:</b>	<b>2023 Budget</b>	<b>Expenses to Oct. 31<sup>st</sup>, 2023</b>	<b>Expenses Estimated to Dec. 31<sup>st</sup>, 2023</b>	<b>Carry-over to 2024 Budget<sup>6</sup></b>
1. <b>EOWRP Project Management<sup>1</sup></b>	\$4,250	\$3,500	\$4,250	\$0
2. <b>EOWRP Committee<sup>2</sup></b>	\$1,750	\$1,352	\$1,750	\$0
3. <b>2022 EOWRP Special Projects<sup>3</sup></b>				
a) Advancing Early Warning Tools in the SNR Watershed	\$20,000	\$6,260	\$6,260	\$13,740
4. <b>2023 Special Projects<sup>4</sup></b>				
a) Bear Brook Watershed Plan	\$25,000	\$25,000	\$25,000	\$0
b) UCPR: Floodplain Mapping	\$25,000	\$25,000	\$25,000	\$0
5. <b>2023 Grants<sup>5</sup></b>				
a) Eastern Ontario Children's Water Festival	\$4,000	\$4,000	\$4,000	\$0
b) Modelling Water Systems on Farms in the Bear Brook Watershed	\$15,000	\$2,000	\$2,000	\$13,000
c) Unallocated funds	\$3,046	\$0	\$0	\$3,046
<b>TOTAL EXPENSES</b>	<b>\$98,046</b>	<b>\$67,112</b>	<b>\$68,260</b>	<b>\$29,786</b>

<sup>1</sup> South Nation Conservation provides project management services to EOWRP to facilitate the Project Grants; this includes developing project application materials, coordinating call for proposals, administering grants to approved projects. Funding from City of Ottawa 2023 EOWRP contribution.

<sup>2</sup> Meeting expenses for appointed EOWRP members on the Clean Water Committee.

<sup>3</sup> EOWRP grants approved in 2022 and to be completed in 2023.

<sup>4</sup> EOWRP Special Projects in 2023 identified by the EOWRP funding contributors.

<sup>5</sup> City of Ottawa earmarked \$22,046 of their \$50,000 contribution for 2023 grants to be allocated through a grant proposal submission. Projects reviewed and approved at the June 26<sup>th</sup>, 2023 meeting.

<sup>6</sup> Unspent funds to be carried forward to the 2024 Budget for project completion.

À L'USAGE DU BUREAU	Code du projet : 2023-CLR-CW18	Type de projet : Septic Replacement
	Total des coûts du projet : ~\$30,000	\$ Taux de subvention : 50 %
	Subvention demandée : 2,000	\$
	Représentant(e) du programme : André Pommainville	

#### 4. Autres sources de financement

Avez-vous demandé ou reçu d'autres fonds pour ce projet? ☐ Oui ☒ Non

Si oui, de quelle(s) source(s) : \_\_\_\_\_

Montant : \_\_\_\_\_ \$

Montant : \_\_\_\_\_ \$

#### 5. Conditions existantes

(Assurez-vous que le texte soit écrit de manière lisible)

Quel sont les effets de la qualité de l'eau dans votre situation actuelle? Le champ septique ne fonctionne plus. Nous sommes une maisonnée de 5 personnes - 4 adultes + 1 enfant. - Septic System not working - household 4 adults + 1 children

Nom du cours d'eau : N/A

☐ Rivière ou ruisseau

☐ Zone humide

☐ Drain municipal

☐ Drain privé

#### 6. Projet proposé

(Assurez-vous que le texte soit écrit de manière lisible)

Décrivez les travaux que vous prévoyez faire. Veuillez vous reporter aux Lignes directrices de projet pour connaître en détail ce qui est exigé pour votre projet.

En grand besoin d'un nouveau système septique. - Need new system

Total des coûts estimés (taxes exclues) : 30,000<sup>00</sup> \$ (Une soumission détaillée doit accompagner votre demande.)