

Project No. 250297

Identifying Climate Risks and Uplifting Communities



ETF Final Report

Submitted March 16th, 2026

by

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Acknowledgements

EOS Eco-Energy would like to respectfully acknowledge that our work is done on the traditional, unceded lands and waters of the Mi'kmaq. EOS Éco-énergie tient à reconnaître que le travail d'EOS se fait sur le territoire traditionnel et non cédé des Mi'kmaq. EOS Eco-Energy na geto genoaateget taan tesig otlogeogagen pemaatotitj na oesgeoitatjig elnoeegati taan migemeoag teleiaoltitjig.

This project was completed through the collaborative work and efforts of the following partners whom we would like to thank for their time and efforts in making this report possible:

- The Municipality of Tantramar for their ongoing partnership, support and collaboration;
- The Adaptation Planning Steering Committee for their guidance of the Adaptation Plan project;
- The Tantramar Climate Change Advisory Committee for their support and expertise;
- The AIM Network CRCC team for their contributions and collaboration;
- Fort Folly Habitat Recovery for collaborating on a community engagement event;
- The Sackville United Church for helping circulate the community engagement survey and providing a venue for community engagement;
- The Amlamgog (Fort Folly) Band Office for helping circulate the community engagement survey and providing a venue for community engagement;
- The Sackville and Dorchester libraries for helping circulate the community engagement survey;
- Members of the Chignecto Climate Change Collaborative for helping promote project components and for continuing to collaborate on regional cross-border collaboration across the Chignecto Isthmus;
- The Intact Centre on Climate Adaptation for their guidance and assistance with our home flood protection assessment program;
- Homeowners who participated in our home flood protection assessment program;
- The communities within Tantramar, Memramcook, and Strait Shores for help promoting our adaptation workshops and the home flood protection assessment program.



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Project Background

EOS Eco-Energy (EOS), incorporated in 2004, is an award-winning, charitable environmental organization based in Sackville, New Brunswick. EOS helps communities in southeast New Brunswick build resiliency and adapt to climate change at a local scale by assisting with municipal climate planning, conducting educational activities about climate change, offering free home flood protection assessments and rebates for homeowners, and serving as secretariat for the Chignecto Climate Change Collaborative. This year's project included these main components:

1. Partner with the Municipality of Tantramar to complete a Climate Change Risk Assessment to inform Tantramar's Climate Change Adaptation Plan (to be completed by Fall 2026).
2. Continue to reduce homeowners' flood risk directly through conducting free home and property assessments and offering rebates on home flood mitigation purchases;
3. Continue to build capacity between New Brunswick and Nova Scotia for climate change adaptation through the Chignecto Climate Change Collaborative (CCCC).
4. Host a variety of climate change adaptation workshops, spanning across different adaptation priorities (including nature-based solutions, flood risk reduction, food security, and local news/community reach).

EOS conducted 11 home flood protection assessments, will host 4 CCCC meetings by the , held 13 climate change adaptation workshops and 7 presentations, had 8 info booths at community events, and is successfully coordinating Tantramar's Climate Change Risk Assessment and Adaptation Plan for completion by November 2026. This report provides a detailed summary of each of these components.

Project Timeline

April - June 2025

- Formed the Tantramar Adaptation Plan Steering Committee and held the first meeting;
- Worked with the AIM Network, the Climate Change Advisory Committee, and CLIMAtlantic staff to determine which climate change risks to prioritize in risk assessment;
- Consulted 4 local specialists regarding risk assessment project;
- Conducted 4 home flood protection assessments;
- Held 4 climate change adaptation workshops;
- Held 1 information booth;

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- Promoted project activities in 3 EOS newsletters and 3 Municipality of Tantramar newsletters;
- Uploaded 8 social media posts promoting project activities.

July - September 2025

- Drafted community engagement survey and translated it into French;
- Conducted 2 home flood protection assessments;
- Held 1 CCCC meeting (Meet the Marsh tour);
- Held 1 climate change adaptation workshop;
- Promoted home flood protection assessments in local news outlet CHMA ([link](#));
- Held 6 information booths;
- Promoted project activities in 3 EOS newsletters and 3 Municipality of Tantramar newsletters;
- Uploaded 10 social media posts promoting project activities.

October - December 2025

- Held second Steering Committee meeting;
- Launched community engagement survey ("Your Tantramar Climate Check-In") for risk assessment and adaptation plan;
- Held 2 engagement sessions for the climate change risk assessment and adaptation plan;
- Conducted 4 home flood protection assessments;
- Held the second CCCC meeting;
- Held 5 climate change adaptation workshops;
- Promoted project activities in 3 EOS newsletters and 3 Municipality of Tantramar newsletters;
- Uploaded 6 social media posts promoting project activities.

January - March 2026

- Held 2 engagement sessions for the climate change risk assessment and adaptation plan;
- Conducted 1 home flood protection assessment;
- Held third CCCC meeting and scheduled the fourth meeting of the fiscal year;
- Drafted climate change risk assessment;
- Held 3 climate change adaptation workshops;
- Promoted project activities in 3 EOS newsletters and 3 Tantramar newsletters;
- Held 1 information booth;
- Uploaded 12 social media posts promoting project activities;
- Wrote and submitted ETF final report.

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Project Activities

Tantramar Adaptation Planning: Climate Change Risk Assessment

EOS partnered with the Municipality of Tantramar, the Atlantic Infrastructure Management (AIM) Network, and the We6 Planning Group to conduct a comprehensive climate change risk assessment and vulnerability profile for the Municipality of Tantramar. The Municipal staff lead is Ron Kelly Spurles, Manager of Tourism & Business Development.

See **Appendix 1** for the drafted Risk Assessment document.

Internal Project Team & Project Steering Committee

The internal project team consists of the following people:

- Janie Brooks, Climate Change Projects Manager - EOS Eco-Energy
- Kal Dutta, Acting Executive Director - EOS Eco-Energy (2024-2025)
- Brittany Cormier, Executive Director - EOS Eco-Energy
- Ron Kelly Spurles, Manager of Tourism & Business Development - Municipality of Tantramar
- The AIM Network Climate Resilient Coastal Communities Working Group
- Michael Beal, Director of Financial Services - Municipality of Tantramar
- Jennifer Borne, Chief Administrative Officer - Municipality of Tantramar

In spring 2025, EOS staff formed a project steering committee to oversee the development of the climate change risk assessment and climate change adaptation plan. Janie Brooks (EOS' Climate Change Projects Manager), Kal Dutta (during her time as EOS' Acting Executive Director), Brittany Cormier (as EOS' Executive Director), and Ron Kelly Spurles as the internal project team met with the steering committee to receive guidance and advice throughout the project. The steering committee consists of the following members:

- Prativa Pradhan - Climate Change Adaptation Analyst on the GNB's Climate Change Secretariat
- Jean Nye - Elder of Amlamgog (Fort Folly) First Nation
- Dr. Corrine Cash - Mount Allison University Associate Professor of Planning and Community Climate Adaptation
- Adam Cheeseman - Vice Chair of the Tantramar Climate Change Advisory Committee & Program Director at Nature NB
- Mariah Malone - Health Promoter at Vitalité Health Network

The Steering Committee met 3 times between June 2025 and March 2026. Several members of the Steering Committee met with EOS one-on-one to assist with planning and hosting the community engagement sessions.

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Specialist Consultations

EOS staff consulted several specialists, including experts in community flood mapping, effective community engagement, firefighting/EMO, climate-focused forestry, and climate data specialists. Staff of CLIMAtlantic, the We6 Planning Group, the NB Climate Change Secretariat, the Sackville & Dorchester Fire Departments, Mount Allison University's Environmental Science Department, Mount Allison University's Biology Department, and Community Forests International were eager to contribute to this project and their insights are helping guide the Adaptation Plan priorities.

Community Engagement Survey

See **Appendix 2** for the community engagement plan.

A community engagement survey (titled "Your Tantramar Climate Check-In") was released in mid-December 2025 and responses were accepted until mid-February 2026. This survey was available to take online, via the Maptionnaire community mapping platform, or on-paper at 6 locations around Tantramar. The online and physical versions were the same, except the physical version lacked the interactive mapping component. In January 2026, postcard mailouts promoting the survey were sent to all homes, apartments, and farms in Tantramar (totalling 6,150 mailouts). The survey was also promoted on the social media accounts and email newsletters of the Municipality of Tantramar and EOS Eco-Energy.

99 people in total filled out the questionnaire. 93 people completed the questionnaire online through the Maptionnaire platform, and 6 people completed the questionnaire on paper. For the questionnaires completed on paper, EOS staff input their responses into Maptionnaire. See **Appendix 3** for the physical survey, and [click here](#) to view the survey results report.

Presentation to Tantramar Council

At the [December 2025 Council Meeting](#), Janie presented a project update to Council and encouraged Councillors to participate in the community engagement for the project, whether that be through the Climate Check-In survey or one of the in-person sessions.

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Community Engagement Sessions

See **Appendix 4** for event posters, agendas, and feedback forms from the community engagement sessions.

September 25, 2025: Demo Climate Risk Discussion with the Sustainable Leadership group. Janie, Kal, and Caitlin conducted a demo climate risk engagement session with 6 members of Sackville's Sustainable Leadership working group, which is a tightknit group of community leaders from different sectors who meet every couple of months to share updates about their work and have themed discussions. The participants went through the discussion questions drafted by Janie and Kal, discussed the materials and gave feedback.

November 10, 2025: Climate Risk Discussion at the Sackville United Church. [Click here](#) to read the full discussion report.



Two discussion/mapping tables at the Sackville United Church. Photo credit: Janie Brooks

January 15, 2026: Climate Risk Discussion at the Fort Folly Band Office. [Click here](#) to read the full discussion report.

January 16, 2026: Climate Risk Discussion at the Dorchester Veterans Community Hall. [Click here](#) to read the full discussion report.

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Governance Workshop

In fall 2025, the AIM Network held a governance workshop with Tantramar municipal managers. This workshop focused on what effective governance looks like and how staff can work with Council and stakeholders to achieve environmentally positive outcomes. During this workshop, the managers discussed how to consult the Tantramar Climate Change Advisory Committee regarding budgeting and creating policy.

Inter-Municipal Learning Sessions: On December 3rd, 2025 and February 18, 2026, the AIM Network hosted virtual inter-municipal learning sessions. These sessions engaged municipal staff across NB, NS, PEI, and NL and their partners such as EOS in capacity building discussions and information sharing from experiences on climate change adaptation planning and action-oriented projects. Participants shared the challenges and opportunities they face in navigating municipal processes and leadership on climate change adaptation.

Tantramar Risk Assessment Workshop

As part of the Climate Resilient Coastal Communities (CRCC) initiative led by the AIM Network, a municipal infrastructure risk assessment workshop was held on February 24th, 2026 with staff and technical partners from the Municipality of Tantramar. See **Appendix 5** for the workshop slides.



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Participants in the February 24th Risk Assessment Workshop. Photo credit: Janie Brooks

Climate Vulnerability Profile

Tracey Wade of the We6 Planning Group drafted a Climate Vulnerability Profile for Tantramar. This serves as a working draft document for the project team. See **Appendix 6**.

Land Use Strategy

The Aim Network, with the We6 Planning Group, completed a Land Use Strategy for the Municipality of Tantramar. See **Appendix 7**.

Flood Risk Mapping

The AIM Network, in partnership with We6 Planning Group, are conducting coastal risk assessments for select Municipalities across the Atlantic provinces in their Climate Resilient Communities project funded by Natural Resources Canada (NRCan). The Municipality of Tantramar is participating in this project as a recipient of this risk assessment, and EOS has been working closely with all partners involved to apply this work to the Tantramar Risk Assessment, which expands on this project by contributing community engagement and health data from the [Climate Change and Health Vulnerability Assessment](#) completed for Tantramar-Strait Shores (2023).

The flood risk mapping they have accomplished using the following flood band calculation, demonstrates the infrastructural vulnerability in five different scale flooding scenarios, that surpasses the flood risk mapping vulnerabilities demonstrated in Plan 360's work to inform land use planning in the Southeast Regional Service Commission district, and the publicly available maps on GeoNB.

Scenario	AIM Method					Plan 360	GeoNB
	Tide	Wave Set-Up	RSLC	Surge	Flood Elevation	Flood Elevation	Flood Elevation
Permanent Inundation Line	6.441	0.000	0.670	0.000	7.11		
Moderate - A (SSP2 p50 2100)	4.391	2.220	0.670	1.288	8.57		
Moderate - B (SSP5 p83 2050)	4.391	2.220	0.440	1.288	8.34		
Extreme (SSP5 p83 2100)	4.391	2.220	1.230	1.437	9.28	10	9.5
Maximum Probable	6.211	2.220	1.840	1.437	11.71		

The AIM Network has assessed the risk for Tantramar across services to municipal citizens provided by the infrastructure for potable water, stormwater, and wastewater, and that of dwellings and municipal buildings (facilities).

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Climate Scenario		TOTAL	Permanent Inundation Line	Moderate - A (SSP2-4.5, p50, 2100)	Extreme (Plan 360)	Maximum Probable
Flood Elevation			7.19 m	8.65 m	10 m	11.79 m
Potable Water	Water Valve	793	41	80	143	206
	Curb Stop	401	7	26	77	139
	Hydrant	355	16	33	64	98
Stormwater	Catch Basins	601	60	94	137	186
	Manholes	136	4	10	20	39
Wastewater	Manhole	861	64	142	243	331
	Lift Station	17	4	8	11	11
	Sluiceway	191	13	20	36	52
Facilities	All Structures	7962	149	398	796	1269

The Climate Resilient Communities project will be completed February 2027, but to contribute to the Tantramar Climate Change Adaptation plan the AIM Network will be completing an infrastructure risk assessment with an analysis of adaptation options for coastal climate impacts, alongside capital planning recommendations.

Updating Municipal Natural Asset Maps

EOS is working with a GIS expert contractor to develop municipal natural asset maps for post-amalgamation Tantramar. In 2022, a [natural asset inventory](#) was developed for the previous Town of Sackville by the Municipal Natural Assets Initiative (MNAI). As part of the adaptation planning process, EOS is consulting the Tantramar Climate Change Advisory Committee and contracting a GIS expert to update and expand upon the 2022 Sackville natural asset maps to include each region within Tantramar.

Tantramar Community Climate Profile by CLIMAtlantic

In January 2026, CLIMAtlantic staff offered to create a Tantramar Community Climate Profile to serve as a tool in the Climate Change Adaptation Plan. This profile will be completed in spring 2026 and will serve as an educational tool/primer for project partners, elected officials and municipal staff, and community members.

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Home Flood Protection Assessments

Since EOS started the home flood protection program in 2022, homeowners of 56 homes in southeast New Brunswick have received tailored knowledge and written guides with recommendations on how to protect their houses and property from flooding. 11 of these assessments were completed in 2025-2026. For this program, EOS uses a home flood assessment tool developed by the Intact Centre on Climate Adaptation.



Home Flood Protection Assessment poster.

Promotion

The home flood risk assessment program was promoted to the community through door hangers on flood prone streets, posters, social media, newsletters, and local news outlet CHMA. In September 2025, [CHMA promoted the program](#) in a feature news story on their website and on their radio station. The CHMA story resulted in several homeowners signing up for assessments. The program was also promoted in EOS' Flood Proofing webinar held on February 13, 2026.

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Assessment Procedure

The home assessment process involved homeowners using the Calendly scheduling tool or contacting EOS by email or phone to schedule a 1.5-hour assessment. They filled in a pre-visit questionnaire with background info to help us prepare for the assessment (age of house and neighbourhood, any previous flooding, what kind of flooding, any measures taken to reduce risk already, how worried they are, questions they had, etc.). Generally, people wanted to know what else they could do to reduce their flood risk or to avoid another flooded basement. Trained EOS staff met with the homeowners and performed a visual assessment outside their house looking at landscape grading, trees, eaves, foundations, basement entrances, patios, etc. and then in the basement looking at foundation walls, floors, condition of sump pumps, evidence of efflorescence, floor drains, etc. EOS staff asked homeowners a series of maintenance-related questions about each item as well. EOS staff took pictures of the top opportunities to reduce risk and filled in the assessment template with the homeowners' answers. We later drew and labelled site plans to indicate where the opportunities were and generated customized and confidential reports for each homeowner. We informed each homeowner of EOS' rebate available for participating homeowners to get reimbursed up to \$100 for flood mitigation supplies after the assessment.

Homes Visited

EOS staff completed 11 home flood risk assessments in 2025-2026. The homes assessed have been mainly in low-lying locations in Sackville and Dorchester. Some homeowners were already aware and able to identify risks for their homes (such as constantly wet basements, concrete efflorescence, moldy walls or floors, etc.) that they were able to point out, but they were not sure how to move forward with the information. These homeowners looked to EOS' program to provide them with an organised, prioritized list of actions to take.

Common Opportunities to Reduce Risk

The home and property assessments are customized and tailored to each homeowner, and the reports they receive are private and confidential and for the homeowners use only. The homeowner may choose to share the assessment findings with a professional (i.e. a plumber or engineer) if they wish to have more serious home flood risks addressed. These reports also contain more general best practice options for homeowners, and include information on things like ways to direct water away from the house and the basement foundation, and to remove water from the basement quickly should it find its way in. The best-practice suggestions offered in the report further range in terms of cost and work needed, from no to low cost (i.e. raising valuables off the floor or purchasing extensions for downspouts) to high cost (i.e. landscape grading, installing a sump pump, etc.).

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Due to the limitations of the assessor training and software, and because EOS staff are not licensed plumbers, landscape designers, foundation specialists, builders, or engineers, EOS cannot recommend any major actions for the homeowners to take. Instead, EOS can only provide the basic assessment, offer recommendations that the homeowner themselves can address, and provide a list of best practice options along with professional contacts and resources. EOS cannot provide homeowners with comments or recommendations on whether homes could benefit from such additions as a backwater valve (a plumber must do this), or any extensive foundation work such as installing weeping tiles, etc. The reports indicate when a homeowner may want to talk to these experts for professional advice.

Some common options to reduce risk among homes that EOS has recommended include:

- Patching foundation cracks.
- Installing eaves and downspout extenders.
- Fixing landscape grading so that water can flow away from the house.
- Researching and installing rain gardens.
- Cleaning or maintaining the backwater valve regularly (some homeowners who had backwater valves did not know what they were or that they should be cleaned out to ensure proper function).
- Obtaining a second sump pump and/or battery backup for sump pumps.
- Extending sump pump discharge pipes 6 feet from the house.
- Investigating efflorescence issues.
- Hiring a professional to perform a closed circuit video scope of the sanitary sewer line if the house is more than 25 years old.

Follow-Ups, Feedback, and Rebates

EOS followed up with each participating homeowner after their assessment for their feedback of the program. (See **Appendix 8**). EOS asked how the program could be improved, if the homeowners had implemented any of the recommendations outlined in their customized home assessment report, and reminded participants of the rebate opportunity following their participation.

Follow-up actions taken by 2025-2026 participants to mitigate their flood risk post-assessment:

- Had a rain garden installed;
- Purchased a rain barrel;
- Hired a plumber to investigate causes of flooding;
- Hired a plumber to evaluate state of sump pump and check state of basement plumbing connections;
- Increased maintenance of eaves troughs and downspouts;

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- Located the valves for winter water turn offs and replaced the hose faucets;
- Monitored and cut back vegetation covering the foundation;
- Removed hazardous materials from the basement floor;
- Purchased and started using a dehumidifier in the basement.

Chignecto Climate Change Collaborative (CCCC)

EOS has held 3 CCCC meetings over the year, with the 4th scheduled for late March 2026 to follow up from the last in-person gathering.

September 17, 2025 Meet the Marsh Tour (in-person): EOS coordinated a "Meet the Marsh" tour of the Beaubassin and Fort Lawrence dykes, led by TransCoastal Adaptations and Saint Mary's University. The tour was for members of the Chignecto Climate Change Collaborative to learn more about the Chignecto Isthmus dyke system and the success of dyke realignment. 21 people participated.



Dr. Danika Van Proosdij of TransCoastal Adaptations highlighting marshland ecosystems to the Chignecto Climate Change Collaborative group. Photo credit: Kal Dutta

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October 23, 2025 Meeting (virtual): Kelsey Butler, Birds Canada Director (Atlantic and Québec) presented on the Chignecto Ecological Corridor project funded through Parks Canada. People joined from municipal and provincial governments from both NB and NS, as well as several from eNGOs. 13 people attended.

March 20, 2026 Meeting (in-person): The CCCC will meet in-person for 4 hours at the Fundy St. Lawrence Dawning Waters Regional Council conference room in Sackville, NB. The focus of the meeting is on climate change adaptation amongst partners, with a special focus on Municipal projects and projects that municipalities can participate in effectively. The goal is to share inter-provincial work and case studies to demonstrate projects that are replicable and potential partnerships and collaboration. There are presentations to be provided by representatives of local groups, which included the Municipality of Tantramar, Nature NB, Maqamigew Anqotumeg, and CLIMAtlantic.

March 27, 2026 Meeting (virtual): This upcoming meeting is scheduled to summarize the last in-person meeting, identify the remaining actions to accomplish next year to contribute to the CCCC five-year strategic plan, and find members interested in contributing to a CCCC working group for next year.

Climate Change Adaptation Workshops

Amlamgog (Fort Folly) First Nation youth olla-making and planter box painting: On May 2, 2025, EOS staff Caitlin and Janie led Amlamgog youth in a workshop to make ollas for the raised beds on-site. Ollas are clay/earthen vessels that are buried within gardens and slowly release water into the surrounding soil as it dries. The group first discussed what ollas were, and how they helped to save water and prevent drought stress on plants during the summer. The group was then shown how to seal together two clay flowerpots to create the ollas. All youth (6) and supervisors (5) participated and greatly enjoyed the hands-on activity, making over 20 ollas for their raised beds. These ollas were later added into the raised beds along with fresh compost for the year to come. After making ollas, the youth further supported their community growing space by painting small wooden planters that they had previously built using recycled wood. The planters were later lined with gardening fabric and filled with soil. These planters would be used all around the Mi'gmaq Child and Family Services building so the children could plant pollinator plants and perennial wildflowers to support the vegetable garden and surrounding ecosystem.

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*EOS' Green Projects Manager Caitlin McNamara teaching kids how to use a caulking gun to make ollas.
Photo credit: Janie Brooks*

Sackville Sparks (Girl Guides) Waterfowl Tour: On June 3, 2025, EOS staff Brianna and Kyla gave a 1-hour tour of the Sackville Waterfowl park to a group of 12 young kids in the Girl Guides' Sparks program. The participants learned about the importance of the park and how all the animals and plants rely on each other in a fun and engaging way.

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Sackville Sparks learning about the ecology of the Sackville Waterfowl Park. Photo credit: Kyla Wilkinson

Sikniktuk Climate Adaptation - Salt Marsh Restoration Workshop: On June 12, 2025, EOS co-hosted with Maqamigew Anqotumeg for a saltmarsh restoration workshop and gave a presentation. There were 30 participants. Participants were encouraged to take home young sweetgrass to plant.

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PRESENTS

Sikniktuk Climate Adaptation

Join us for discussions about salt marsh restoration, Indigenous-led conservation, and education

12 June 2025
5:30 PM - 7:30 PM
Tantramar Civic Center
182 Main St.,
Sackville, NB

Scan to register now

- Traditional Mi'kmaq cuisine shall be served
- Door Prizes
- Film crew will be present

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Promotional poster for the Sikniktuk Climate Adaptation - Salt Marsh Restoration workshop.

Local News Matters Symposium: On June 14, 2025, EOS partnered with local journalists Erica Butler and Mira Dietz-Chiasson to support a Local News Matters: Symposium on Incubating Local News in the Maritimes. As part of the Canadian Association of Journalists' CAJ Unplugged event series, this symposium brought together 70 journalists, citizens, experts, and community leaders to talk about what communities need from their news, how new local projects are serving their communities, and what needs to be done to seed the growth of local news projects. The symposium featured panellists from New Brunswick, Nova Scotia and PEI, and beyond, including Vicki Hogarth of CHCO-TV, Paul MacNeill of PEI's Eastern Graphic, and Tim Bousquet of the Halifax Examiner. It ended with a workshop to help participants determine actions and next steps to bring back local news. As a community-based non-profit, EOS relies heavily on social media and local news (such as

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CHMA News) to share information regarding our programming and events, and resources that we create. With social media platforms limiting what we can share, including links in posts and any news articles, it has become exceedingly difficult to promote engagement and combat misinformation which plagues these platforms. Supporting and reviving local news is imperative in addressing climate change.



Promotional poster for the Local News Matters symposium.

Sackville Monarch Bioblitz w/ Nature NB: On August 5, 2025, EOS partnered with Nature NB on hosting a Sackville Monarch Bioblitz, where local Monarch populations are monitored. EOS staff Janie and Brianna, along with an EOS board member and an EOS volunteer, assisted with the event. There were 10 adult and 4 youth participants. At the start of the event, Janie gave a quick introduction of EOS' adaptation work, and they described how pollinator health ties in with climate change adaptation. Janie told attendees about Tantramar's Adaptation Plan project and also gave more information about EOS' green spaces projects.

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Adam Cheeseman of NatureNB teaching Monarch Blitz participants how to identify Monarch eggs. Photo credit: Janie Brooks

DIY Energy Efficiency & Home Flood Mitigation Workshop w/ Tantramar Seniors College: On October 1, 2025, EOS staff Janie and Caitlin offered a 2-hour workshop with a small but engaged group of 3 Tantramar Seniors College learners. For the first hour, Janie delivered a presentation on ways homeowners can reduce their home's flood risk, based on the Intact Centre on Climate Adaptation's Home Flood Protection Assessment tool. Janie and Caitlin showed participants how energy efficiency tools can be used in a home, for example how a moisture meter can be used to detect high moisture levels in walls and floors. For the second half of the workshop, Janie presented on draft proofing methods for increasing energy efficiency and reducing flood risk through windows and doors. Janie and Caitlin showed the participants examples of draft proofing materials including caulking, window film, adhesive foam strips, and light switch insulation foam.

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Janie explaining how to use EOS' Home Efficiency Kit to the Tantrammar Seniors College class. Photo credit: Caitlin McNamara

Train-the-trainers canning workshop at PEDVAC with UNB nursing students: On October 8th, 2025, EOS staff Caitlin hosted a canning workshop in partnership with PEDVAC in Port Elgin. PEDVAC has been partnering with mature nursing students from UNB as part of their curriculum, and this canning workshop would be a part of the students' training. The canning workshop was a train-the-trainers workshop, where the 4 students not only learned how to can, but they also learned all the necessary tips, tricks, and tools needed to teach their own workshops in the community. This workshop was led by Mary Gillespie, co-owner of 'Ketchup With That' Kitchen, who expertly taught the students to make mustard pickles and a cranberry-blueberry jam. The class was well received, and the students went on to host their own successful canning workshop at a later date (November 6, 2025).

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Mary Gillespie training UNB students at the PEDVAC Foundation how to provide canning lessons to communities. Photo credit: Caitlin McNamara

Seasonal Vegetable Cooking Class with Mary Gillespie (Ketchup With That Kitchen): On November 2, 2025, EOS staff Caitlin hosted a seasonal vegetable cooking class at Open Sky Co-op to promote eating seasonally and locally, supporting the environment by reducing carbon emissions from food transport. Led by Mary Gillespie, co-owner of 'Ketchup With That' Kitchen that specializes in vegetable-based dishes, the 8 participants learned how to prepare 3 hearty vegetable-based meals (a soup, a salad, and a roasted dish), all made with vegetables purchased from local farmers. The workshop was well received, and everyone got to go home with a very tasty dinner.

Sackville Embers (Girl Guides) Activity: On November 18, 2025, EOS staff Janie and Kal spent 1.5 hours with the Sackville Embers (12 youth, ages 6-9). Janie and Kal started by introducing the EOS organization, and they did an icebreaker activity in which each person shared their name, favourite weather, and acted out their favourite animal. The group then did a mapping activity in which the kids hid small items around the building and then

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created maps for the other kids to use to find their items. After this activity, EOS discussed what is useful to have on maps, the different kinds of maps that can be used, and some of the different ways that maps are used. For the second activity, EOS talked about the water cycle and played a game of water cycle tag. The kids pretended to be water molecules, with one kid representing the sun and tagging the other kids into evaporation, turning into clouds and then into precipitation. The kids were very engaged and excited about the activities, and they all took home EOS stickers and the maps they created.

Canning Workshops at Open Sky Co-op: On December 13, 2025 and February 7, 2026 EOS staff Caitlin organized and hosted a free beginner canning workshop at Open Sky Cooperative, with each workshop having 7 participants from the Tantramar community. The February 7 workshop was hosted as part of EOS' CARE (Climate and Renewable Energy) Week 2026. The workshops were instructed by local community member Emilie McBride, who is an active participant with the Sackville Community Garden, and works with Open Sky Cooperative. Participants learned how to hot-water bath can, making both a pickle and a jam from start to finish, and took their creations home with them. The participants had a great time and made some new connections and friends!



Emilie McBride instructing a canning workshop at the Open Sky Cooperative Kitchen. Photo credit: Caitlin McNamara

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Clothing Swap at Mount Allison University: On February 9, 2026, in partnership with the Mount Allison Geography and Environment Society, EOS hosted a free clothing swap in the Student Union Building at Mount Allison. EOS staff Brittany, Caitlin, and Janie set up the clothing swap in Tweedie Hall. 20 people participated, stopping by to swap clothes and discuss EOS' initiatives. The swap ran from 11 am - 3 pm, and any clothes that were left over after the swap were donated to Sackville's Second Chances Thrift Store (which is owned and operated by the Sackville Food Bank).

Home Flood Proofing Webinar: On February 13, 2026, EOS staff Janie hosted a lunch and learn webinar about DIY ways that homeowners can reduce their home's flood risk. Tips in the webinar were based on training received from the Intact Centre on Climate Adaptation and ClimateSense. There were 8 participants that attended the webinar, and the webinar was also [recorded](#) and uploaded to EOS' Youtube Channel.

Outreach & Education: Presentations

Presentation to NBCC climate change class: On April 2, EOS staff Kal, Janie, and Caitlin gave a virtual presentation on Microsoft Teams to a class of 23 students and 2 NBCC instructors. The presentation included an introduction to EOS as an organization, and it provided details about EOS projects. Janie spoke about recent energy projects, Kal discussed climate change adaptation projects, and Caitlin highlighted the green spaces and food security projects. Several students and both of the instructors asked questions during the Q&A period after the presentation.

Presentation to TRHS Environmental Science and Biology class: On May 6, EOS staff Janie and Kyla delivered a 1-hour presentation/Q&A to Tantramar Regional High School's Biology class (14 participants), followed by a 1-hour presentation/Q&A to Tantramar Regional High School's Biology class (13 participants), both taught by the Wetlands Centre Executive Director Melanie Ball. EOS staff introduced themselves, described their pathway to working within the eNGO sector, and gave an overview of EOS and current EOS projects.

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Kyla and Janie presenting to the TRHS Biology class. Photo credit: Mariam Khalid Shamsi.

EOS Presentation to the Sackville Rotary Club: On July 17, 2025, EOS staff Janie and Kyla gave a 20-minute presentation to 12 people at the Sackville Rotary Club's meeting. The Rotarians were told about EOS' current projects, including the home flood protection assessments, adaptation planning with the Municipality of Tantramar, and past and upcoming educational workshops. After the presentation, several Rotarians asked follow-up questions about EOS' work and history. They presented a book about climate change to EOS, which they were going to donate to the Tantramar Regional High School in EOS' name.

Presentation to MTA class: On September 16, 2025, EOS staff Janie and Kal visited Mount Allison University for Dr. Clayton's class, "Religion and the Environment" to present to 8 participants on EOS projects and ways that students could get involved as volunteers. Janie presented on EOS' adaptation initiatives and Kal presented on EOS' watershed monitoring project. Two students from this class signed up to volunteer with EOS to help work on the Amlamgog food forest/medicinal garden project. See **Appendix 9** for presentation slides.

Rain Gardens Presentation to Green Shores Working Group: On December 10, 2025, EOS staff Brittany and Caitlin gave a presentation on how to plan and build a rain garden to 12 members of the TransCoastal Adaptations Centre for Nature-Based Solutions (Nova Scotia).

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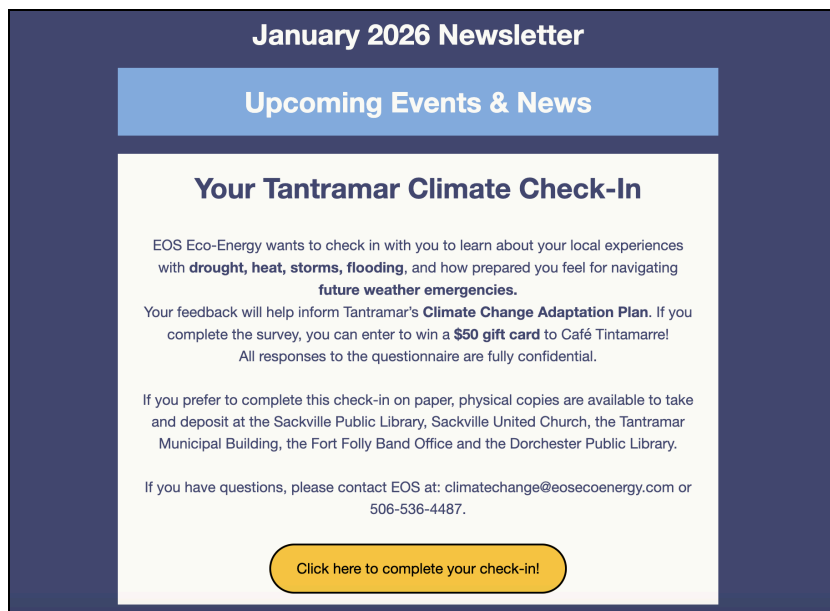
This group has many members from different environmental organizations, including Municipal staff from multiple areas (e.g. Pictou County and the Halifax Regional Municipality), The Clean Foundation, CLIMAtlantic, Ducks Unlimited, and many more. The presentation highlighted all the benefits to planting rain gardens, particularly in urban areas, and went over the steps and considerations required for installation. See **Appendix 10** for presentation slides.

Presentation to MTA class: On January 20, 2026, Brittany attended Dr. Clayton's "Mother Earth, Father Sun" class at Mount Allison University to present on EOS projects and current initiatives. After the presentation, Brittany offered opportunities for students to volunteer on upcoming EOS projects as the class requires students to volunteer with a community group as part of their course curriculum. Brittany presented to 34 participants about EOS' work on renewable energy, climate change adaptation planning, green spaces, HealthADAPT, and watershed monitoring programs. Activities pitched for student participation included helping with CARE week, the Municipal climate check-in, Amlamgog First Nation food forest/medicinal garden work, and becoming a Silver Lake Watershed Association student representative.

Project Promotion

Email Newsletters

12 newsletters were sent out to the **465 EOS Mailchimp newsletter subscribers**, which promoted project activities and outcomes. The average percentage of subscribers that opened links from these newsletters was 31.4%, meaning that for each of the newsletters around **146 people** learned about EOS' activities and initiatives. EOS also promoted project activities in 12 newsletters emailed out by the Municipality of Tantramar. The monthly Municipality of Tantramar newsletters reach **over 600 people**.



Screenshot of EOS' January 2026 newsletter promoting the community engagement survey.

EOS ECO-ENERGY PRESENTS:

Tantramar Climate Risk Discussion

Monday, November 10, 2025
5 - 7pm
Sackville United Church
110 Main St., Sackville, NB

How is the changing climate impacting you?

Join EOS Eco-Energy for a discussion and community risk mapping activity around extreme weather events and other realities brought by the changing climate.

Please RSVP at forms.gle/pHsDvWV5nmp3whvN6 or by emailing climatechange@eosecoenergy.com.

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Join EOS Eco-Energy on November 10th for a discussion and community risk mapping activity around extreme weather events and other realities brought by the changing climate.

The experiences and concerns discussed in this session will help inform Tantramar's Climate Change Adaptation Plan. [Please RSVP here](#) or by emailing climatechange@eosecoenergy.com.

We hope to see you there!

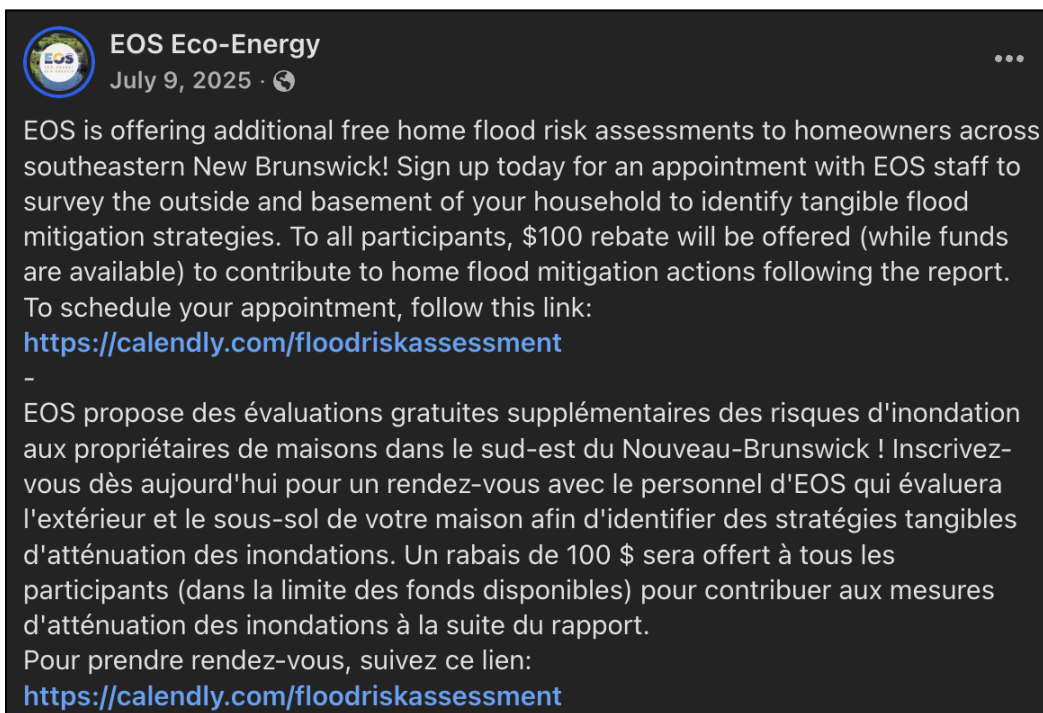
Screenshot of the Municipality of Tantramar's November 2025 newsletter promoting the Climate Risk Discussion in Sackville.

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Social Media

36 posts were uploaded to EOS's Instagram and Facebook pages regarding this project's activities and outcomes. Additionally, the home flood protection assessments and risk assessment engagement sessions were promoted on several local Facebook groups for communities across Tantramar.



An EOS Facebook post promoting the Home Flood Protection Assessments.

Local Radio

Project activities and events were promoted on Sackville's independent radio station, CHMA. The home flood protection assessment program was promoted as a [feature story](#) on CHMA in September 2025, providing listeners with a description of the program and instructions on how to schedule an assessment for their home. The promotion on the CHMA website and daily radio show led to several homeowners signing up for flood protection assessments. CHMA also did a feature news story on [CARE Week 2026](#).

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EOS Website

Over 2025, [the EOS website](#) was fully revitalized and updated, offering easier access to project information and an overall improved user experience.

- [Tantramar Adaptation Planning webpage](#)
- [Home Flood Protection webpage](#)
- [Chignecto Climate Change Collaborative webpage](#)

Annual General Meeting (AGM)

On June 18, 2025, EOS staff presented on the projects completed in the 2024-2025 fiscal year as well as those currently being worked on in 2025-2026. EOS also hosted an info booth throughout the meeting for members and participants to discuss and learn about projects. Over 30 people, including staff, board members, supporting members, and community citizens attended and/or participated.



Kyla at the EOS AGM registration and information booth. Photo credit: Brianna MacEachern

Info Booths

EOS hosted 8 info booths at various locations and events around Tantramar and Strait Shores to promote projects, workshops, and general organizational information. These booths consist of informational materials such as pamphlets and brochures, pictures, and

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EOS staff available to discuss projects, promote initiatives, and answer questions. EOS held info booths at the following events:

Gaia Project's "Empowering Tomorrow": On April 28, 2025, EOS staff Janie and Kal hosted an EOS booth at the Gaia Project's "Empowering Tomorrow" day, which highlighted career opportunities in the environmental sector. High school students cycled through the booths and asked questions about what kinds of projects EOS does, what EOS staff studied in university, and what the EOS hiring process looks like. 47 youth and 18 adults stopped by the booth.



Janie at the EOS booth for the Gaia Project's "Empowering Tomorrow" event. Photo credit: Kal Dutta

Port Elgin Lupin Fair: On July 5, 2025, EOS staff Kyla, Brianna, and Caitlin held an EOS information booth at the Port Elgin Lupin Quilt Fair & Craft Market.

Sackville Farmers Market: EOS staff held information booths at the Sackville Farmers Market on July 12th, July 26th, August 2nd, 2025, and February 7th, 2026.

Dorchester Farmers Market: In July 2025, EOS staff held an information booth at the Dorchester Farmers Market.

Tantramar Fall Fair Climate Corner: On September 20, 2025, EOS staff Janie and Kal, along with EOS Board Chair Barb Clayton, held an information booth at the Fall Fair "Climate Corner" from 10am to 3pm. Several other environmental groups and organizations were

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present, including CLIMAtlantic, Atlantic Wildlife Institute, Seniors for Climate Action Now, Maritimers Against Climate Change, and more. 15 people stopped by the EOS booth to talk and/or take pamphlets, sign up for more info, and learn about EOS.

Project Results

EOS is in the process of meeting, or has already exceeded, all priority target measures. See the tables below for a summary of project results.

Tracking Priority Area Measures:

Priority #1: Addressing Climate Change: This measure tracks the total number of communities with an adaptation plan.

Expected Deliverable	Actual Result
1 climate change risk assessment and draft adaptation plan for the Municipality of Tantramar.	1 climate change risk assessment and outlined adaptation plan for the Municipality of Tantramar. Target met.

Priority #2: Addressing Climate Change: This measure tracks the number of people taking part in a climate change education/awareness initiative.

Expected Deliverable	Actual Result
4 community engagement sessions for climate change risk assessment.	4 community engagement sessions, 47 participants, 12 hours. Target met.
10 home flood protection assessments	11 home assessments completed, 16 participants, 14 hours. Target exceeded.
1 home flood risk reduction webinar	1 webinar, 8 participants, 1 hour. Target met.
7 climate change adaptation workshops	12 workshops, 213 participants, 33 hours. Target exceeded.
4 CCCC meetings	3 meetings held and one scheduled for March 27th. Target met.

Challenges & Opportunities

During the 2025-2026 project year, EOS staff have adapted to some challenges related to coordination and collaboration, but have overall found success in the work accomplished, and identified opportunities to improve in the future.

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Staff transitions were a challenge in coordinating activities and maintaining a consistent connection to partners, but were also an opportunity to involve more expertise and perspectives on project activities. At the Municipality of Tantramar the role of Director of Community & Corporate Services was hired during the project duration, and the role of Communications Officer is currently going through a transition. All Municipal Staff have been great to work with, and they are often involving themselves by offering their time and expertise while they have many other commitments. If the Municipality were to hire a Climate Change Coordinator, consistently in communications and collaboration on climate initiatives would be improved. The Tantramar Climate Change Advisory Committee (CCAC) to Council and Roundtable have been available to assist and contribute their expertise, which was very beneficial to this project's success. Most municipalities do not have a committee like this, and the volunteer work of the CCAC is greatly appreciated.

The EOS Executive Director was on maternity leave for the first half of this project and replaced by an Acting Executive Director, who had many valuable contributions to this project, such as relationship building and information sharing with other community groups and organizations during this interim period.

There was a delay in starting the work for the Tantramar Climate Risk Assessment, as the Municipality of Tantramar had submitted an application to the Federation of Canadian Municipalities (FCM) for additional funding necessary to complete the assessment. The funding was approved by the FCM, and was approved by the Council to spend. This process altogether took longer than expected, but EOS staff took more time to refine community outreach and engagement approaches. The survey responses and in-person community engagement from participants and other organizations were of great value to the assessment process, giving context to the risks the community have lived through, the perceived risks, and the knowledge of risks to come through observation and professional expertise in various sectors.

Impacts & Community Benefits

The Tantramar Climate Risk Assessment is a complete and comprehensive report of the lived experiences and projections of the climate crisis in the Municipality of Tantramar. Completing this document provides a reliable source of information for the Municipality and beyond on the climate risks that were identified by the Climate Adaptation Steering Committee, and verified by the community and expertise sought out from various stakeholders in healthcare, engineering, biology, and indigenous knowledge. This will ultimately provide a basis to build the Tantramar Climate Change Adaptation Plan off of, and strengthen the adaptation and recommendations for resiliency in this plan. This plan

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will inform the Municipality and community how to move forward with climate adaptation for many years to come.

EOS staff were grateful that people who have not previously been engaged on local climate change issues, participated in the engagement for this project. There was successful community engagement and relationship building through the climate change adaptation outreach for the climate risk assessment and the annual Climate and Renewable Energy (CARE) week activities in February. The new connections and partnerships developed will help further climate adaptation in the local communities. EOS formed a new collaboration with Vitalité, which was invaluable in healthcare considerations for the climate risk assessment and planning green spaces in local communities. EOS staff were grateful for the successful collaboration and connection building with Fort Folly Habitat Recovery and community members of Amlamgog (Fort Folly) First Nations. The community engagement session at Amlamgog Band Office contributed valuable knowledge to the risk assessment, from the experiences and projections by the indigenous community and local experts that work and enjoy a lot of their time in the natural environment. Increased collaboration between EOS, Tantramar, the AIM Network, and CLIMAtlantic during the risk assessment process was beneficial for strengthening data literacy and projections for the risk assessment.

Community participants in the initiatives of this project gained new climate knowledge and practical skills to address climate change. The home flood protection assessment program provides education as well as an opportunity to improve local resiliency directly in flood mitigation actions for homeowners. Canning and local vegetable cooking workshops continue to provide hands-on learning experiences that improve local food security and community resiliency. Home energy efficiency outfitting and the energy efficiency kits offered through this project were used by the community to improve their understanding and ability to improve energy efficiency of homes and community buildings. Community participants are more informed and aware about the effects of climate change and of ways to adapt to these changes thanks to this project.

Next Steps

The Tantramar Climate Risk Assessment has been completed by EOS staff and partner organizations, and underwent the primary revision by the Adaptation Plan Steering Committee, whose revisions and edits have been incorporated. Further revisions and comments will be incorporated moving forward, and this will provide the basis from which the work on the Climate Adaptation Plan will begin from.

EOS will continue the home flood protection program, continue to foster communication networks and connections between local community groups, and promote climate

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adaptation awareness and education through accessible and inclusive workshops and presentations.

EOS is seeking to coordinate a bulk order of 72-Hour Emergency Kits, to continue to enact five-year strategic plan with the Chignecto Climate Change Collaborative (CCCC), and to coordinate and host a Climate Adaptation and Resiliency Education (CARE) Week in April 2026 - March 2027 moving forward.

Appendices

The following appendices are attached as separate documents:

- ✓ **Appendix 1:** *Tantramar Climate Change Risk Assessment*
- ✓ **Appendix 2:** *Risk Assessment Community Engagement Plan*
- ✓ **Appendix 3:** *Community engagement survey (print version)*
- ✓ **Appendix 4:** *Posters, agendas and feedback forms from engagement sessions*
- ✓ **Appendix 5:** *Slides from February 24th Risk Assessment Workshop*
- ✓ **Appendix 6:** *Climate Vulnerability Profile for Tantramar region*
- ✓ **Appendix 7:** *Land Use Strategy by the AIM Network*
- ✓ **Appendix 8:** *EOS Home Flood Protection Assessment participant feedback form*
- ✓ **Appendix 9:** *Slides from EOS presentation to MTA class*
- ✓ **Appendix 10:** *Slides from EOS rain garden presentation to Green Shores Working Group*