

# Request for Proposals

Climate Change Adaptation Tools and Resources



Government of Newfoundland and Labrador  
Office of Climate Change and Energy Efficiency

September 8, 2015

**REQUEST FOR PROPOSALS:  
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## **1.0 Contracting Agency**

For the purposes of this Request for Proposals (RFP), the Government of Newfoundland and Labrador's Office of Climate Change and Energy Efficiency will be the Contracting Agency. The Office of Climate Change and Energy Efficiency (CCEE) will be referred to as "the Client" in this RFP.

## **2.0 Background**

In the 2011 Climate Change Action Plan, Government recognized that "climate change is one of the most pressing issues facing Newfoundland and Labrador". As such, one of the overarching goals of the Action Plan was to "enhance Newfoundland and Labrador's resilience to the impacts of climate change".

Climate change will impact Newfoundland and Labrador in a number of significant ways, including more extreme weather, increased temperatures, increased precipitation, higher sea levels and storm surges. This could lead to impacts such as more flooding in areas already prone to flooding, flooding in new areas, greater coastal erosion, reduced ice conditions in the north, and unstable and thawing permafrost. Climate change therefore presents significant challenges to the province and, as such, needs to be a critical consideration in infrastructure, land use planning and development decisions.

The Government of Newfoundland and Labrador is seeking to support key decision-makers, such as municipalities, government departments responsible for infrastructure and planning, and private sector companies and industry associations, to incorporate these important climate change considerations into their decision-making processes with a view to ensuring any risks to infrastructure, economic activity and communities are mitigated as far as possible, and resilience to adverse climate impacts is enhanced.

One of the key approaches being taken is the development and dissemination of a variety of information products and tools. A number of these have been developed by Government and are tailored to this province, including precipitation intensity-duration-frequency (IDF) curves, climate change flood risk mapping, data on coastal erosion, a hurricane flood alert system, improved access to historic local climate data, information on sea-level rise around the province, and a guide to assist communities to assess their vulnerability to climate change (see Annex C for more information). In addition to these resources, other tools and resources have been, or are being, developed by other organizations, including the pioneering work on assessing the vulnerability of archaeological sites led by Memorial University of Newfoundland, and work to assess the economic cost of climate impacts on communities being advanced by the Atlantic Provinces in partnership with Natural Resources Canada. As well as the development of information products and tools, initiatives have also been taken to raise awareness and understanding of the issues and to build capacity among key stakeholders.

While these information products and tools are valuable assets in informing decision-making in the province, the extent to which they are being used by decision-makers is unclear. As the maximum benefit of these tools rests with their widespread use by decision-makers, it is important to assess the extent to which these tools are utilized, understand any barriers to their utilization, determine ways to increase uptake, identify any gaps in provision, and to assess how best to raise awareness and build capacity among key stakeholders. This will help to enhance the province's capacity to improve resilience to climate impacts by supporting the integration of climate change adaptation considerations into key decisions.

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The three key stakeholders that are expected to be the primary users of the information products and tools outlined above include (1) departments within the Government of Newfoundland Labrador that are responsible for infrastructure decisions and planning, (2) municipalities, particularly those that have the capacity for infrastructure and asset management planning (including Municipalities Newfoundland and Labrador), and (3) private consulting companies and industry associations that engage in infrastructure, land use planning and development decision-making processes. On an indirect basis, post-secondary institutes are also a user of the information products from a knowledge development perspective.

### **3.0 Objectives**

The objectives of this RFP are to:

- 1) Improve understanding of the uptake of existing climate change adaptation information products and tools with key stakeholders groups, including reasons for uptake, barriers to uptake, and gaps in provisions;
- 2) Identify ways in which government can increase the province's resilience to climate impacts through influencing decision-making, including through increasing the uptake of climate change information products and tools; and,
- 3) Understand the training needs and requirements for identified stakeholders on climate change adaptation information products and tools to meet their needs and enhance their capacity to understand and adapt to climate change, through the development of a detailed syllabus of the content, duration and structure of the training program.

### **4.0 Scope of Project**

The successful consultant will:

1. Complete a project plan for approval by CCEE which will cover the timing of key milestones as well as a plan for engaging key stakeholders, which will include, at a minimum, the following:
  - a. The proposed list of stakeholders to be engaged. The stakeholders must include government departments, municipalities, private sector consulting companies and industry associations involved with infrastructure, land-use planning and development decision-making processes. It must include representation from all regions of the province and must occur on a face-to-face basis, where feasible. The list must be approved by the Client and include a minimum of:
    - i. Ten municipalities plus Municipalities Newfoundland and Labrador, with engagement priority given to municipalities that have capacity for infrastructure and asset management planning;
    - ii. Four sessions with officials from the provincial government (these will be organized by the Client);
    - iii. Ten private consulting companies and industry associations that engage in infrastructure, land use planning and development decision-making processes;
  - b. The schedule for engaging stakeholders;
  - c. The format and questions that will be used to solicit input from stakeholders (i.e., a detailed description of the approach and methods to be used and the lines of enquiry); and
  - d. A list of materials that will be used.

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2. Engage with local stakeholders to assess their current use of climate change adaptation information products and tools based on agreed-upon approach in Section 4.0, item 1. This will include:
  - a. Engaging with stakeholders to assess, at a minimum, the following questions:
    - i. Which products/tools are currently being used and why,
    - ii. The ways in which the products/tools are being used,
    - iii. Which tools would be helpful for planning but are not being used, and what would be needed to generate uptake,
    - iv. The barriers to use of products/tools,
    - v. The format for products/tools that would ensure accessibility and usability,
    - vi. Any current gaps in the products/tools and why these gaps should be addressed, and
    - vii. What would increase the use of the products/tools.

The consultant may recommend other questions to include but must be able to show that these questions will clearly contribute to the delivery to the objectives in this RFP.

- b. Preparing a report on the key findings for approval by the Client. The report will include key findings of the questions outlined in Section 4.0, item 2.a as well as recommendations on ways to improve uptake of products/tools.
3. Develop a comprehensive approach for training for identified stakeholders, and other professionals, on the use of climate change adaptation information products and tools as it relates to infrastructure, land use planning and development decision-making processes. This approach will be informed by stakeholder engagement as described in Section 4.0, item 2.b. This will include:
  - a. Preparing detailed options for content, duration and structure to be reviewed and approved by the Client. The options will address the following points, at a minimum:
    - i. The number of modules in the training program,
    - ii. The topics for each module,
    - iii. Examples of materials that can be used for each module, and
    - iv. The format of training (e.g. webinars, classroom, etc.); and
  - b. Recommendations for training roll-out.

To undertake this work, the consultant must demonstrate knowledge of and experience working on climate change adaptation as well as experience successfully working with or engaging communities in Newfoundland and Labrador.

The consultant will work closely with CCEE in undertaking this work with weekly teleconferences and a kick-off meeting, as well as meetings/teleconferences to discuss key deliverables as needed.

## **5.0 Deliverables**

This project will include five deliverables. Expected timelines for this project are provided in Section 9.0. The deliverables for the project are as follows:

1. **Detailed Project Plan** – Once the project has been awarded, an in-person kick-off meeting will be held with the successful Consultant. Following the meeting, the consultant will deliver a project plan which will include the timing of key milestones and a plan for consultations, as outlined in Section 4.0, item 1.a. This project plan must be approved by the Client.

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2. **Draft report on key findings of stakeholder engagement, including recommendations** – The successful Consultant will deliver an acceptable draft version of the findings of stakeholder engagement, as per the requirements of Section 4.0, items 1 and 2, including recommendations on ways to improve the uptake of climate change tools and information products. This draft must be revised to reflect the Client’s feedback.
  
3. **Final report on key findings of stakeholder engagement, including recommendations** – The successful Consultant will deliver the final version of the draft report (deliverable 2) that incorporates the Client’s feedback.
  
4. **Draft report outlining options for a training program, including recommendations for roll-out** – The successful Consultant will deliver draft options for a training program as described in Section 4.0, item 3. This draft must be revised to reflect the Client’s feedback.
  
5. **Final report outlining options for a training program, including recommendations for roll-out** – The successful Consultant will deliver the final version of the draft report (deliverable 4) that incorporates the Client’s feedback.

Any written, numerical or presentation-style material must be provided using Microsoft Office products.

## **6.0 Proposal Structure**

Respondents to this RFP are requested to structure their proposals using the following headings:

<b>RFP Structure</b>	
<b>Introduction</b>	<p>The Introduction should introduce and briefly explain the Consultant, its capabilities and its experience in handling an assignment of this nature.</p> <p>The Introduction should also include details on the Consultant’s demonstrated knowledge of climate change adaptation, local knowledge of the province and opportunities and challenges related to climate change, and experience of successfully working with or engaging communities in Newfoundland and Labrador.</p> <ul style="list-style-type: none"> <li>• The Consultant must demonstrate their knowledge of climate change and climate change adaptation issues, including challenges and barriers to increasing knowledge, as well as awareness and understanding of the local context in Newfoundland and Labrador including any implementation challenges and opportunities concerning influencing decision-making on climate change adaptation.</li> </ul>

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<b>Understanding of the Issue &amp; Project Proposal</b>	<p>This section should explain the Consultant’s understanding and interpretation of the objectives and requirements of this project.</p> <p>The project proposal must include:</p> <ul style="list-style-type: none"> <li>• A listing and description of the major tasks to complete the work, using this RFP as a guide;</li> <li>• A description of methods to be used;</li> <li>• A listing of data and other sources to be used in the project;</li> <li>• A project plan and project schedule; and,</li> <li>• Summary of any travel requirements required to complete the project.</li> </ul>
<b>Cost Proposal</b>	<p>The Cost Proposal should include detailed summary costs and expected travel costs. Travel costs will only be reimbursed for actual travel incurred.</p>
<b>Summary of Qualifications and Experience</b>	<p>This section should include an overview of corporate and, as appropriate, academic, qualifications, including any similar work experience. Samples of previous work are encouraged.</p> <p>Short-form résumés should be included for key personnel that will be involved in the project. This should be no longer than one page per person and reference education and experience involved in similar projects.</p> <p>Note that an overview of any individual or company that is sub-contracted to complete aspects of the project must also be provided.</p>

## **6.1 General Conditions**

This RFP is not subject to the *Public Tender Act*.

Verbal information or representations shall not be binding on the Client. Only written changes, alterations, modifications or clarifications are binding. In order to be valid, all such changes, alterations, modifications or clarifications shall be issued in the form of addenda and all such addenda shall become a part of this RFP.

The proposal of the successful Consultant will form part of any resultant Contract Agreement by attachment and incorporation by reference. Claims made in the proposal will constitute contractual commitments. Any provision in the proposal may be included in the resultant Contract as a direct provision thereof. The successful Consultant, as a condition of submitting its proposal, accepts a customized contract will be negotiated. The Client will not be responsible for any legal costs associated with contract development. The Client reserves the right, in its sole discretion, to accept or reject any or all proposals received or to cancel this process at any time after issuance, and may choose to accept or reject or award in respect of all or part of any proposal.

Any resultant Contract from this RFP shall be governed by the laws of the province of Newfoundland and Labrador. It shall be issued in the name of the successful Consultant exactly as that successful Consultant’s personal or corporate name is stated in the RFP response document. Funds payable for materials delivered pursuant to any resultant Contract shall be paid only to the Consultant who is so listed as party to any resultant Contract. Only legal registered names of Consultants are acceptable.

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Any resultant contract from this RFP may be subject to proactive public disclosure.

All documents and other records in the custody or under the control of some or all of the Government or its representatives may be subject to the *Access to Information and Protection of Privacy Act, 2015*, SNL2015 A-1.2. Subject to the provisions of this Act and as required by law, all responses and other documents and other records submitted by a Consultant in connection with this RFP will be considered confidential, and financial and other proprietary information will not be disclosed

Any proposal submitted in response to this RFP shall contain the signature, name and title of the person authorized to sign on behalf of the Consultant.

The responsibility rests with the Consultant to submit a complete proposal, with proper and adequate detail to substantiate all aspects of its proposal. Incomplete proposals shall be deemed to be non-compliant. A complete proposal shall include, but is not limited to:

- **Legal name and status:** The proposal shall state the correct legal name and legal status of the proposing entity and the correct mailing address.
- **Consultant contact:** The name, title, telephone and fax numbers, email address and civic address of a representative who may be contacted for clarification or other matters relating to the proposal.
- **Content:** The proposal shall be clear, concise, and include sufficient detail for effective evaluation and for substantiating the validity of stated claims. The proposal shall not simply rephrase or restate the requirements in this RFP, but rather shall provide convincing rationale to address how the Consultant intends to meet these requirements.

The successful Consultant must be licensed to conduct business in its own jurisdiction and may be required to produce a certificate of good standing for that jurisdiction.

All terms and conditions will apply to all subcontractors and the Consultant will be responsible for subcontractors' compliance. The Consultant will be responsible for all work done by the subcontractors. The Consultant will be responsible for all damages and will complete any work unfinished by the subcontractors.

## **7.0 Firm Pricing**

All prices quoted shall include Harmonized Sales Tax (HST), must be in Canadian currency, and shall remain firm until completion. No contract containing price escalations will be accepted prior to the anticipated completion date set forth in this RFP.

All bidders should clearly detail their cost breakdown in their proposal and explain how these costs would deliver value and superior end products to the Client.

Bids will be considered based on their own merits. Properly completed proposals that comply with Section 6.1 will be evaluated according to the formula outlined in Section 12.0.

The total value of this contract is not anticipated to exceed \$50,000, excluding HST.



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## 8.0 Award of Contract

The contract will be awarded by the Client based upon the results of an evaluation of submitted proposals. The Client will notify the successful Consultant in writing. Those that are not successful will receive notification as soon as possible once the contract has been accepted and finalized. The Client reserves the right not to explain in detail why bidders were not selected.

## 9.0 Project Schedule

The project schedule should assume an approximate start date of October 13, 2015. The estimated timeline for this project is:

<b>Project Deliverable Dates</b>			
	<b>Deliverable</b>	<b>Estimated Due Date</b>	<b>Estimated Progress Payment to the Consultant*</b>
1	Detailed Project Plan	October 30, 2015	-
2	Draft report on key findings from stakeholder engagement, including recommendations	January 8, 2016	10%
3	Final report on key findings from stakeholder engagement, including recommendations	February 1, 2015	30%
4	Draft report on options for training program, including recommendations on roll-out	February 1, 2016	30%
5	Final report on options for training program, including recommendations on roll-out	March 4, 2016	30%

\* Payments will be provided only once the Client is satisfied with the deliverable, and not when a draft is initially delivered. All work must be completed to the Client's satisfaction no later than March 31, 2016.

## 10.0 Intellectual Property

Any intellectual property that is developed as a result of this project, including all data, specifications, concept plans, designs, rationales, presentation materials and technical reports and related information produced by the Consultants in completing this work shall be vested with CCEE. The Consultant shall deliver all files and documentation for this project to CCEE upon its completion and shall securely destroy all files and documentation on hand.

## 11.0 Other Terms and Conditions

Additional terms and conditions relating to this RFP are provided in Annex A.

## 12.0 Proposal Evaluation

The Client will evaluate the proposals according the following criteria, which reflects the information contained in Section 6.0 of this RFP:

<b>Selection Criteria</b>	
<b>Criteria</b>	<b>Weighting</b>

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1	Understanding of the Issue & Project Proposal	40%
2	Qualifications and Experience	35%
3	Cost Proposal	25%

### **13.0 Project Contact**

The Consultant will be working with CCEE throughout this project. CCEE will be the project manager and act as the Consultant's primary contact throughout the project. All project deliverables shall be supplied to CCEE for approval.

The contact for this project, including any questions or concerns relating to this RFP, is:

Gerald Crane,  
Director of Research and Analysis  
Office of Climate Change and Energy Efficiency  
Government of Newfoundland and Labrador  
Confederation Building, West Block, 5th Floor  
PO Box 8700, St. John's, NL  
(709) 729-0379  
[geraldcrane@gov.nl.ca](mailto:geraldcrane@gov.nl.ca)

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## **14.0 Submission of Proposals**

Proposals must be submitted to the Government Purchasing Agency (30 Strawberry Marsh Road, St. John's, NL, A1B 4R4) and electronically to [climatechange@gov.nl.ca](mailto:climatechange@gov.nl.ca) by September 29, 2015 no later than 3:30pm (NST). Questions will be accepted until noon on September 21, 2015 (NST) with responses issued by 11:00 a.m. on September 24, 2015 (NST).

All changes, alterations, modifications or clarifications shall be issued in the form of addenda and all such addenda shall become a part of this RFP. All addenda that have been issued in relation to this RFP will be available on the Government Purchasing Agency website at [www.gpa.gov.nl.ca/availabletenders.stm](http://www.gpa.gov.nl.ca/availabletenders.stm) or by contacting the Government Purchasing Agency.

Consultants can either access the website at their own discretion for addendum, or may use the registration process available on the site to receive notification of addendum. Consultants are responsible for ensuring that they have received all addenda pertaining to this RFP and shall be deemed to have received same through their submission of proposal in response to this RFP.

Five (5) signed original proposals are required, with a digital copy sent to the email above. Facsimiles are not acceptable and will not be considered. No extensions to the submission date will be considered.

The Contracting Agency will endeavor to contact the successful Consultant within one week (7 days) of the closing date of the RFP.

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## **Annex A: Additional Terms and Conditions**

**Acceptance of the Proposal** – The Client reserves the right not to accept any proposal. The RFP should not be construed as a contract to purchase services. The Client shall not be obligated in any manner until a written contract relating to an approved proposal has been duly executed. A standard contract will be used.

**Proposal Revisions** – Proposal revisions must be received prior to the RFP submission/closing date and time.

**Financing of Proposals** – All costs associated with the preparation and submission of proposals shall be the sole responsibility of the Consultant.

**Acceptance of RFP Conditions** – Receipt of a proposal will be considered acceptance of the RFP terms and conditions by the Consultant, and will be incorporated into any resultant contract.

**Subcontracting** – The use of subcontracted services must be identified in the written proposal. Prior written approval by the Client is required for the use of subcontracted services.

**Negotiation Delay** – If a written contract cannot be concluded within (15) fifteen days of notification to the successful Consultant, the Client may, at its sole discretion, terminate negotiations with that Consultant and either negotiate a contract with another Consultant of its choice or choose to terminate the RFP process and not enter into a contract with any of the Consultants.

**Media Interviews** – Under no circumstances will any employee or representative of the Consultant consent to or provide any media interviews respecting the contract without specific written permission of the Client.

**Disclaimers/Limitations of Liability** – Neither acceptance of a proposal nor execution of a contract shall constitute approval of any activity that requires any approval, permit or license pursuant to any federal or provincial statute or regulation. It is the responsibility of the Consultant to obtain such prior to commencement of the services under the proposed contract.

**Other Purpose** – This document, or any portion thereof, may not be used for any purpose other than the submission of proposals.

End of Annex A.

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## **Annex B: Protocols for Security of Government Information on Technology Assets of Consultant**

The Consultant should confirm with CCEE whether the Consultant will be required to use information technology resources, including computers, of the Government of Newfoundland and Labrador in the conduct of the work under the contract. The following requirements apply where the Consultant will not be using such assets, but will instead have access to confidential information (including personal information) (“Confidential Information”) received from the Government of Newfoundland and Labrador (“Government”) and will be storing, manipulating or accessing that Confidential Information on the Consultant’s own information technology resources.

- All portable storage devices or media (e.g., flash drives, memory sticks, portable hard drives, writable compact discs or digital video discs, etc.) may only be used to transport and/or store Confidential Information where either the Confidential Information or the device or media is encrypted.
- Unless specifically separately authorized by the Consultant’s contract or otherwise, the Consultant is not permitted to attach non-government computers or other information technology systems to any Government network.
- Consultants are expected to implement and maintain up to date versions of all ordinary business software for the reasonable protection of information on computers attached to the Internet which will have access to or store Confidential Information, including security firewall and anti-viral software.
- Consultants are not permitted to use any Peer to Peer file sharing program (e.g., Limewire, etc) or chat program (e.g., MSN, Skype) on any information technology asset which will contain Confidential Information, or which will be connected via a network to any computer which will contain Confidential Information.
- Email should not be used as a method to transmit Confidential Information across public networks such as the Internet unless the e-mail and/or its attachments are encrypted or zipped in a secure manner.
- Where a Consultant will be granted access to the Government computer network during the course of the work, in addition to the requirements noted above, the Consultant shall not:
  - Share personal computer drives or folders on a computer accessing the network;
  - Access the network remotely, either through wired or wireless connections, except through the use of secure ID and virtual private network systems.

These requirements apply to the Consultant and all employees, servants and/or agents or permitted sub-Consultants of the Consultant, and it is the responsibility of the Consultant to ensure that all such employees, servants and/or agents or permitted sub-Consultants are aware of these restrictions and are in compliance herewith.

Annex B will form part of the successful Consultant’s contract.

## Annex C: Climate Change Adaptation Tools

Data and information is available that engineers, planners and policy-makers can incorporate into their decision-making processes to ensure that the planning of infrastructure and land use will be sustainable with respect to climate change.

### 1. Climate data

The main type of climate data used by engineers, planners and policy-makers to determine appropriate design standards and management practices for infrastructure are intensity-duration-frequency (IDF) curves. IDF curves characterize the relationship between the intensity of precipitation (e.g., in mm/hr) over a specified duration of time (e.g., 5 minutes, 1, 6, or 24 hours), and its frequency of occurrence. These curves are also used when developing climate change flood risk maps and conducting flood frequency analysis. IDF curves can be used to depict the current climate as well as projected climate.

In 2013, Dr. Joel Finnis was contracted by CCEE to provide current and projected climate IDF curves. Along with the IDF curves, Dr. Finnis also provided projections for eight temperature variables and 11 precipitation variables. This data can be found at:

<http://www.exec.gov.nl.ca/exec/ccee/publications/NL%20Climate%20Change%20Projections%20-%20Full%20Technical%20Report.pdf>

Expanding upon these curves, Conestoga-Rovers & Associates (CRA) provided updated current and projected climate IDF curves to CCEE in 2015. This data can be found at:

[http://www.exec.gov.nl.ca/exec/ccee/publications/idf\\_curve\\_2015.pdf](http://www.exec.gov.nl.ca/exec/ccee/publications/idf_curve_2015.pdf)

In addition to climate projections, historic local climate data has been made available on the Community Accounts website via a Climate Information Portal. This provides data for over 70 Environment Canada weather stations throughout Newfoundland and Labrador and can be found at:

<http://nl.communityaccounts.ca/climate/>

### 2. Flood risk mapping

Flood risk maps are available for 38 Newfoundland and Labrador communities to help minimize the impact of floods through proper management and planning of known flood plains. Flood risk maps are provided by the Water Resources Division, Department of Environment and Conservation. They are developed using climate change projections and are based on flood events associated with a return period of 20 and 100 years. The Province's flood risk mapping studies and maps are available at:

[www.env.gov.nl.ca/env/waterres/flooding/frm](http://www.env.gov.nl.ca/env/waterres/flooding/frm)

### 3. Hurricane season flood alert system:

The hurricane season flood alert system helps communities prepare for storms and avoid future high-cost expenditures in repairs and damages. This system also helps ensure adequate emergency response planning and protects the public health, life and safety of residents and communities.

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The provincial flood alert system provides daily alerts forecasts for 45 communities/ areas during the July to December period each year, including projected daily rainfall, 20 and 100-year flood risk levels and time of estimated peak precipitation for that day. The alert system is available here:

<http://www.env.gov.nl.ca/env/waterres/flooding/hurricane.html>

4. Coastal erosion information:

Coastal erosion information is also important to infrastructure and land use planning. In Newfoundland and Labrador a coastal monitoring program exists that provides estimates of the rates of shoreline erosion at select sites in the Province based on analysis from long-term surveys of the sites. The program, ran by the Department of Natural Resources, has surveyed 104 sites to date. Information can be found at:

<http://www.nr.gov.nl.ca/nr/mines/geoscience/publications/currentresearch/2014/Irvine-2014.pdf>

5. Sea-level rise information:

With over 90% of Newfoundland and Labrador's residents living close to the sea, sea-level rise information is important to use in planning stages. In 2010, the Department of Natural Resources developed estimates of sea-level rise up to 2050 and 2100 for four zones in the province. Information can be found at:

[http://www.nr.gov.nl.ca/mines&en/geosurvey/publications/CR2010/2010\\_Batterson-Liverman.pdf](http://www.nr.gov.nl.ca/mines&en/geosurvey/publications/CR2010/2010_Batterson-Liverman.pdf)

6. *The 7 Steps to Assess Climate Change Vulnerability in Your Community* Workbook:

This workbook provides assistance in determining where communities are vulnerable and steps that they can take to be more prepared for climate change by incorporating it in their future planning and development processes. This guide is available at:

[http://www.env.gov.nl.ca/env/climate\\_change/vultool.html](http://www.env.gov.nl.ca/env/climate_change/vultool.html)