



Department of Agriculture and Land

Annual Report

2022-23



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April, 2024

Department of Agriculture and Land

Table of Contents

Message from the Minister.....	1
Message from the Deputy Minister.....	2
Highlights and Accomplishments	3
Department Overview	6
Legislative Responsibility	8
Organizational Chart.....	9
Human Resources	10
Strategic Policy and Evaluation Division.....	13
Agriculture Resources Division.....	15
Animal Health, Regulatory and Analytical Laboratories Division	18
Land Division.....	21
Appendix A: Financial Statement.....	27
Appendix B: Funding by Recipient Type and Activity Area for the Canadian Agricultural Partnership	28
Appendix C: Performance Metrics for the Canadian Agricultural Partnership, 2022-2023.....	30

Message from the Minister



The Honourable Antoinette Perry
Lieutenant Governor of Prince Edward Island
P.O. Box 2000
Charlottetown, PE C1A 7N8

May It Please Your Honour,

I have the honour to submit herewith the Annual Report of the Department of Agriculture and Land for the fiscal year ending March 31, 2023.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Bloyce Thompson'. The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Bloyce Thompson
Minister of Agriculture

Message from the Deputy Minister



Minister,

I am pleased to submit the Annual Report of the Department of Agriculture and Land for the fiscal year ending March 31, 2023.

This report outlines the Department's activities from April 1, 2022 to March 31, 2023.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'G MacFadyen', written in a cursive style.

Gordon MacFadyen

Deputy Minister

Department of Agriculture

Highlights and Accomplishments

The Department of Agriculture and Land¹ is committed to leading our province's efforts to innovate our agriculture and agri-food sectors for success now and into the future, as well as safeguarding our precious land resources for all Islanders. In the 2022-2023 fiscal year, the Department continued to support the agriculture and agri-food sectors in Prince Edward Island (PEI) through the delivery of programs and services, broad and meaningful engagement, as well as its legislation and regulations. The Department strives to provide timely and effective support to the agriculture industry during crisis, such as potato wart and Hurricane Fiona. This is achieved through the efforts of all its Divisions: Agriculture Resources; Animal Health, Regulatory and Analytical Laboratories; Land; Strategic Policy and Evaluation; and Farm Business Risk Management.

Sustainable Canadian Agricultural Partnership

In July 2022, the federal, provincial and territorial (FPT) Ministers of Agriculture reached an agreement in principle for the [Sustainable Canadian Agricultural Partnership](#) (Sustainable CAP) at their Annual Meeting in Saskatoon, Saskatchewan. The Sustainable CAP is a \$3.5 billion, five-year agreement (2023-2028) between the FPT governments to strengthen the competitiveness, innovation and resiliency of the agriculture, agri-food and agri-based products sector. This new agreement takes effect April 1, 2023 and replaces the Canadian Agricultural Partnership (CAP). During 2022-2023, the Department of Agriculture and Land continued engaging with agriculture industry and working with FPT counterparts to develop the Sustainable CAP. This included: industry engagement activities, focus groups with program administrators, policy research on engagement with underrepresented groups, ongoing meetings with FPT working groups and development of [a suite of programs for Sustainable CAP](#).

Hurricane Fiona Agriculture Support

On September 24, 2022, Hurricane Fiona made landfall in Atlantic Canada, which caused widespread damage, downed trees and power outages, and resulted in significant damage to PEI's agriculture sector. Following Hurricane Fiona, the Department immediately took actions to support the agriculture industry to address the impacts of the hurricane. This included working closely with the agriculture industry to identify immediate needs of the sector, working with custom harvesters to access extra harvest equipment for the province, working with tree fruit growers to develop a damage assessment, and developing programs to support the agriculture industry. The Department announced \$17 million to fund a suite of programs to assist agriculture industry in mitigating the impacts of Hurricane Fiona, including \$15 million to the Fiona Agriculture Support Program, \$500,000 to the On-Farm Electrical Interruption Assistance Program, an additional \$100,000 to the Island Community Food Security Program, an additional \$20,000 to the Farmers Assistance Program and FarmersTalk.ca, and \$2.2 million to support adjustments to the Business Risk Management Programs. In addition to these programs, the Department worked with Agriculture and Agri-Food Canada to start a formal assessment under the AgriRecovery Framework to assist in response to the extensive damage caused by Hurricane Fiona.

¹ As of April 2023, the Department of Agriculture and Land is now the Department of Agriculture.

Department of Agriculture and Land

Potato Wart Emergency Response

The Department continued supporting potato producers in adapting to the ongoing trade suspensions due to potato wart through the delivery of the Potato Emergency Contingency Program (formerly the Potato Wart Emergency Contingency Program). Under the Potato Emergency Contingency Program, the Department invested \$3 million into the [Soil Building for Seed Potato Producers Project](#) which will focus on the continued implementation of Beneficial Management Practices (BMPs) on fields originally intended for seed potato production. In response to the potato wart emergency, the Department took a number of actions to support the potato sector, including implementing the Post Harvest Potato Virus Program to ensure the continued quality of PEI Seed Potatoes, providing a cleaning and disinfection service to assist with potato wart control, implementing measures to minimize the spread of bacterial ring rot between potato farms, and issuing permits authorizing the planting of seed potatoes from outside PEI. The Department also conducted legislative research and developed the amendments to the *Plant Health Act* as part of its legislative work plan.

Environmental Sustainability and Climate Change

During 2022-2023, the Department continued delivering on its mandate to “educate, communicate and implement measurements that demonstrate the importance of healthy soil” and focusing on environmental sustainability and climate change. The Department developed the [Soil Health Improvement Plan \(SHIP\)](#), which is a new advisory service developed to help farmers assess their current soil health status and set actions to support soil health. The Department also launched On-Farm Spring Cover Crop trials, as a new beneficial management practice, in collaboration with agricultural producers. As part of the development of Sustainable CAP programming, the Department completed a program review of the [Alternative Land Use Services \(ALUS\) Program](#), with a climate lens, and improved the program to better support farmers and farmland owners in conservation and regeneration of agricultural landscapes.

The Department launched a Nature Smart Climate Solutions project, in collaboration with Environment and Climate Change Canada, which aims to enhance carbon sequestration and biodiversity in agricultural landscapes. The Department also collaborated with the PEI Federation of Agriculture on a climate adaptation project. Other actions included completing year two of a comprehensive crop adaption to climate change project, renewing the 1999 Guidelines for Manure Management for Prince Edward Island, and adding two weather stations to the existing eleven departmental weather stations.

Land Policy and Services

The Department continued delivering on its mandate to “engage the public in reviewing and updating the *Lands Protection Act* so it best reflects the needs of our province presently and into the future.” During 2022-2023, the Department reviewed and addressed recommendations from the Final Report of the Land Matters Advisory Committee and continued research and development of amendments to the *Planning Act*. A new Land Use Planning Section of the Land Division was created to be responsible for the modernization of the provincial planning system, including both provincial and municipal planning. A Request for Proposal (RFP) for the State of the Island Report was issued, which is the first step towards the creation of a province-wide Land Use Plan.

Department of Agriculture and Land

Food Security

Food safety and local food security continued to be the priority of the Department. In 2022, the Department invested \$200,000 in the Island Community Food Security Initiative to support local community organizations with stocking community fridges, purchasing supplies and equipment needed for community gardens, and supporting the purchase, preparation, packaging and delivering of meals for Islanders in need. Following Hurricane Fiona, an additional \$100,000 was added to the Island Community Food Security Program so that community fridges and gardens could continue to stay stocked in times of need, as well as increasing the existing cap for those already receiving funding. In addition, the Department also supported the development of a local food hub — [Growers Station](#) — to promote local food.

Animal Health and Welfare

In 2022-23 the Department completed work exploring the concept of a biorefinery for agricultural waste management, and completed projects through the Assurance Systems Program, which aimed at improving animal welfare on PEI through veterinary education and partnering with Atlantic Veterinary College (AVC) researchers to benchmark horse welfare and improve owner education. The Department continued its work on the modernization of the *Animal Health Act* and released public consultation on the proposed *Dog Owners Act*. The Department also reviewed and updated five Animal Disease Emergency Response Manuals and met with all corresponding emergency response teams.

Gender, Diversity and Inclusion

This fiscal year, the Department continued with its commitment to promote gender, diversity and inclusion activities within the Department and industry.^[1] Activities included participation in the department-wide promotion of GBA+ training; performance monitoring of the Department's Gender, Diversity and Inclusion Initiatives Plan; participation in reconciliation training; research on the engagement of underrepresented groups in agriculture programs; and training on fostering inclusive communication in the workplace.

^[1] More information here: www.princeedwardisland.ca/GDI

Department Overview

The Department of Agriculture and Land worked to advance Prince Edward Island's primary industries and its approach to food development, production and sales. The Department's overarching goal was to lead our province's efforts to innovate our agriculture and agri-food sectors for success now and into the future, as well as safeguarding our precious land resource for all Islanders.

Mandate

As per the Agriculture and Land Mandate Letter delivered on October 9, 2019, the priorities for the Department of Agriculture and Land were:

- engage the public in reviewing and updating the *Lands Protection Act* so it best reflects the needs of our province presently and into the future;
- develop a PEI Food First Strategy which promotes farm-to-table relationships and highlights the importance of local food security;
- work with local producers to champion and promote our agriculture industry, while encouraging innovation;
- modernize the operations and delivery of programming through the PEI Agricultural Insurance Corporation;
- educate, communicate and implement measurements that demonstrate the importance of healthy soil;
- work with federal counterparts to best support and advance our agriculture industry while seeking innovative approaches and investigating the potential of new crop types;
- work with your colleague the Minister of Transportation, Infrastructure and Energy to establish a farmland bank for PEI that will keep productive land in farm production and assist young farmers entering the industry;
- work with your colleagues the Minister of Environment, Water and Climate Change and the Minister of Fisheries and Communities for an Island-wide policy for renewable, sustainable resources in land including its usage, ownership and planning; and
- work with your colleague the Minister of Education and Lifelong Learning to develop and implement a provincial school food program building on recent pilot success.

Strategic Plan 2021-2025

Vision

A prosperous, innovative, and sustainable agriculture industry for the benefit of all Prince Edward Islanders; responsible land stewardship based on efficient and sustainable land use planning, regulation of land ownership, and protection of the natural and built environment.

Mission

Supporting the agriculture industry's prosperity, innovation, sustainability, and production of quality food through legislation, policies, programs, and services; providing quality land use planning, and safeguarding the natural and built environment, through the application of legislation and policy.

Department of Agriculture and Land

Values

<i>Integrity</i>	We value integrity in our work with staff and stakeholders.
<i>Innovation</i>	We value innovation—supporting staff and stakeholders to adopt new technologies and practices that add value to their work.
<i>Sustainability</i>	We value environmental sustainability in agriculture, land use planning, and the natural and built environment.
<i>Excellence</i>	We value excellence and continuous improvement in our work.
<i>Accountability</i>	We value accountability and our commitment to deliver quality policies, programs, and services to the public.

Priorities

- Economic prosperity and financial stability in the agriculture industry
- Environmental sustainability and climate change
- Animal health and welfare, and food safety
- Provincial food system resiliency
- Land protection, use, ownership, and inspection services
- Communication and engagement
- Modern programs, services, and legislation
- Diversity, inclusion, and mental wellness

Focus Areas

- Support the competitiveness, productivity, and profitability of the agriculture industry
- Support the expansion and diversification of markets, trade, and agricultural products
- Promote environmental sustainability by supporting soil health and the adoption of best practices in agriculture, land use planning, and inspection services
- Improve the delivery of business risk management programs to support the financial stability of agricultural producers
- Enhance animal health and welfare, plant health, as well as food safety, through the adoption of best practices and quality laboratory testing to support agriculture
- Contribute to the environmental, social, and economic wellbeing of the province through orderly land use planning, and the protection of public health, safety, and the natural and built environment
- Improve the resilience of the province's food system, including supply chains and community food security
- Improve legislation, policies, programs and services, and promote public trust and awareness in agriculture, land use planning, and inspection services through research, performance monitoring, and evaluation
- Promote a healthy and inclusive workplace, including mental wellness for internal and external stakeholders

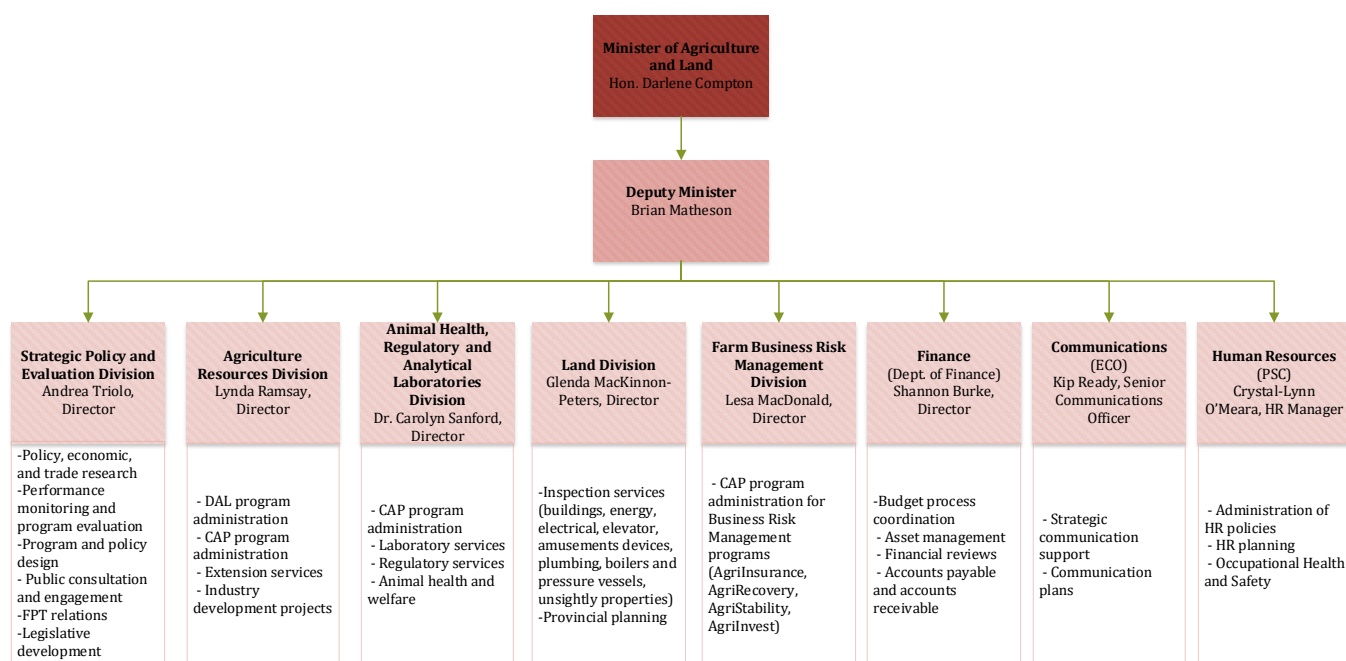
Legislative Responsibility

During the 2022/2023 year, the Minister of Agriculture and Land was responsible for administering the following legislation:

- *Agricultural Insurance Act*
- *Agricultural Products Standards Act*
- *Agrologists Act*
- *Amusement Devices Act*
- *Animal Health Act*
- *Animal Welfare Act*
- *Architects Act*
- *Boilers and Pressure Vessels Act*
- *Building Codes Act*
- *Dairy Producers Act*
- *Dog Act*
- *Electrical Inspection Act*
- *Elevators and Lifts Act*
- *Farm Machinery Dealers and Vendors Act*
- *Farm Practices Act*
- *Farm Registration and Farm Organizations Funding Act*
- *Grain Elevators Corporation Act*
- *Lands Protection Act*
- *Natural Products Marketing Act*
- *Planning Act*
- *Plant Health Act*
- *Power Engineers Act*
- *Registered Professional Planners Act*
- *Stray Livestock Act*
- *Unsuitable Property Act*
- *Veterinary Profession Act*
- *Weed Control Act*
- *Women's Institute Act*

Department of Agriculture and Land

Organizational Chart



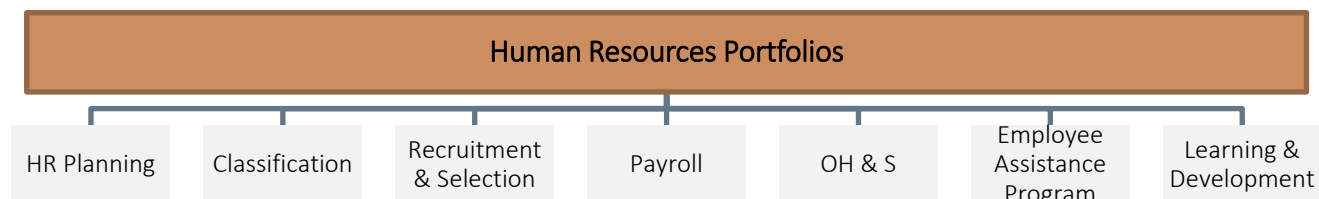
*As of March 31, 2023

The Department of Agriculture and Land is also responsible for two crown corporations: PEI Agricultural Insurance Corporation and PEI Grain Elevators Corporation. The Farm Business Risk Management Division is assigned to administer the programs delivered by the PEI Agricultural Insurance Corporation. Please refer to the crown corporation annual reports for the details on their activities. The annual reports of these two crown corporations can be found on the Legislative Assembly of PEI website: <https://www.assembly.pe.ca/>

Department of Agriculture and Land

Human Resources

The Human Resources Section is part of the PEI Public Service Commission and has been assigned to the Department of Agriculture and Land to provide advice, support and assistance regarding all aspects of human resources and labour relations. The section ensures that human resource policies and programs are consistent and aligned with the Department's strategic direction, while also supporting the Department in advancing its mandate.



Areas of Focus in 2022-2023:

- ✓ Equity, diversity and inclusion initiatives
- ✓ Employee engagement initiatives
- ✓ Training and development opportunities for staff
- ✓ Leadership development opportunities for the management team
- ✓ Strengthening recruitment strategies
- ✓ Continuing to strengthen the Department's OH&S Program

Human Resources as of March 31, 2023

Division	Full-Time	Part-Time	Total
Corporate and Financial Services	4	0	4
Agriculture Resources	28	1	29
Animal Health, Regulatory and Analytical Laboratories	25	3	28
Farm Business Risk Management	24	6	30
Land	49	1	50
Strategic Policy and Evaluation	9	0	9
Total	139	11	150

Employee Demographics as of March 31, 2023

	Female	Male
Average Age	45.0	48.0
Gender Distribution	53%	47%
25 Years of Service and Over	12%	11%
Senior Management by Gender	83%	17%
Manager and Supervisors by Gender	44%	56%
Non-Management by Gender	55%	45%

(Based on current staffing of 129 permanent employees.)

Department of Agriculture and Land

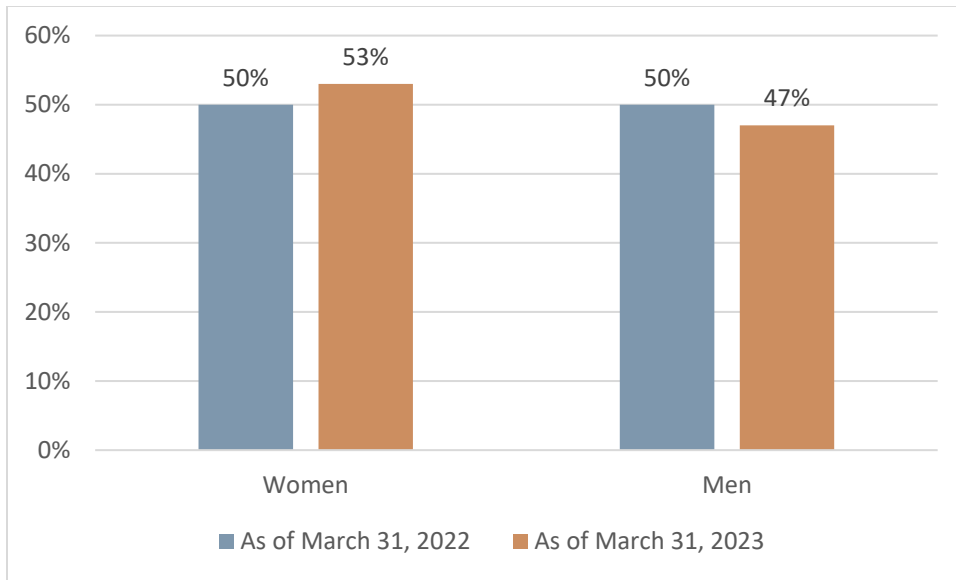


Figure 1. Staff by gender, March 31, 2023 compared to March 31, 2022

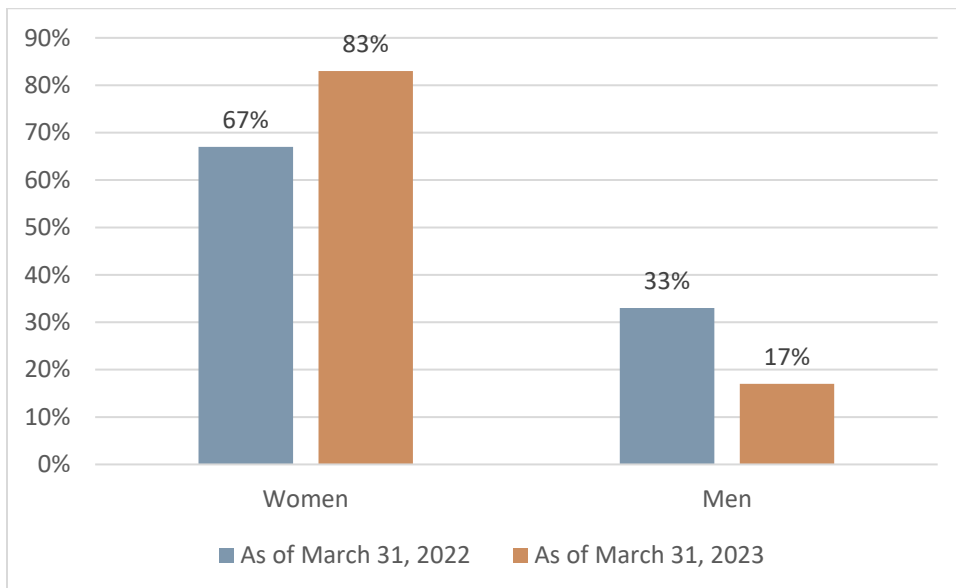


Figure 2. Senior management by gender, March 31, 2023 compared to March 31, 2022

Department of Agriculture and Land

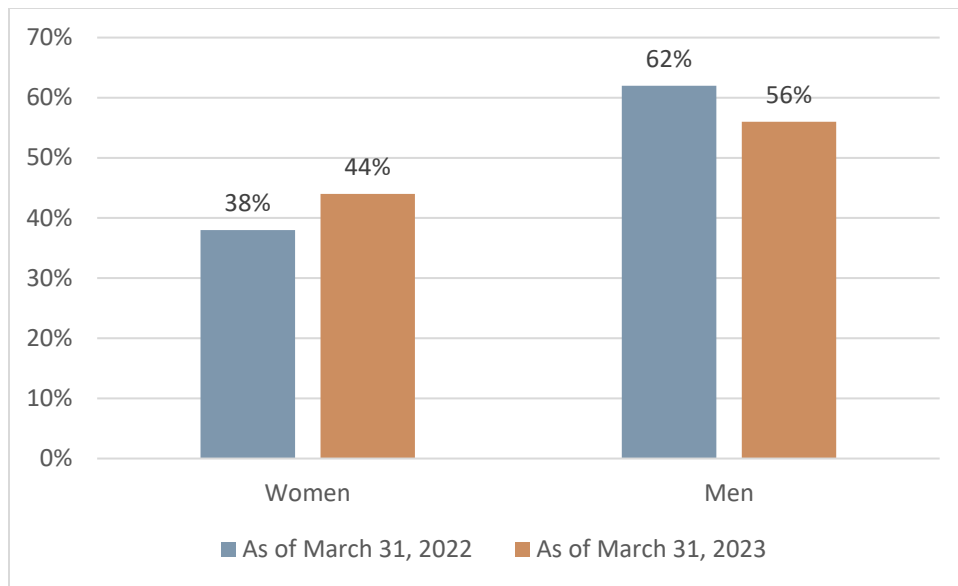


Figure 3. Managers and supervisors by gender, March 31, 2023 compared to March 31, 2022

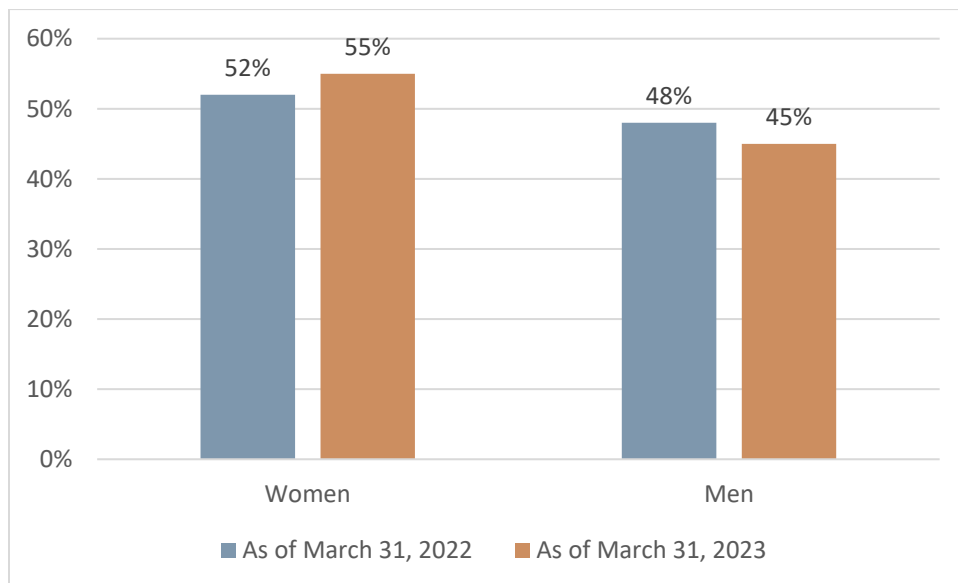
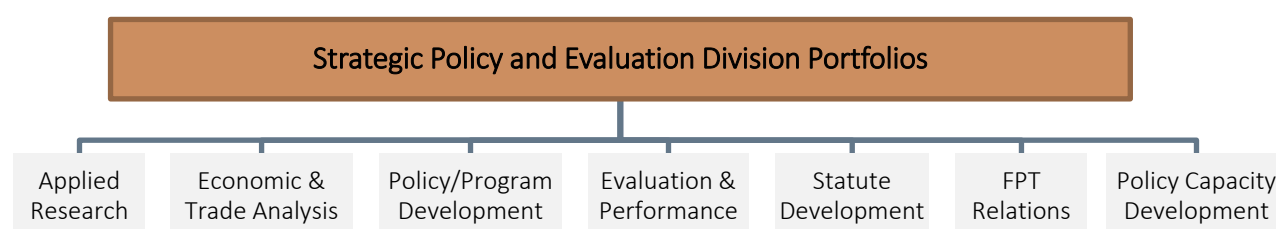


Figure 4. Non-management staff by gender, March 31, 2023 compared to March 31, 2022

Strategic Policy and Evaluation Division

The Strategic Policy and Evaluation Division provides policy services to the Department of Agriculture and Land (DAL). The Division is responsible for managing and coordinating priority policy projects and working across Divisions and other areas of Government to advance the DAL policy agenda. The Division works closely with other divisions, departments and levels of government to translate priorities into policies, programs and initiatives to produce measurable results.



Areas of Focus in 2022-2023:

Applied Research

- ✓ Completed an industry engagement to collect insights and feedback on the priorities and focus areas under the Sustainable Canadian Agricultural Partnership (Sustainable CAP)
- ✓ Conducted focus groups with program administrators on programming for Sustainable CAP
- ✓ Completed research on the engagement of underrepresented groups in agriculture as part of the policy and program development for the Sustainable CAP
- ✓ Completed research on natural disasters assistance to support the future development of agriculture support programs
- ✓ Developed jurisdictional scans, policy research briefs, and information notes to support policy decision-making

Economic and Trade Analysis

- ✓ Continued to participate in the Atlantic Agriculture Labour Working Group to support activities related to labour issues
- ✓ Completed economic impact analysis on PEI poultry, beef, and hog sectors
- ✓ Developed the 2021 Agriculture at a Glance

Policy/Program Development

- ✓ Worked with Federal, Provincial and Territorial (FPT) counterparts and other divisions in the development of a suite of programs under the Sustainable CAP for 2023-2028
- ✓ In collaboration with other divisions, developed a suite of programs to assist agriculture industry in mitigating the impacts of Hurricane Fiona, including the Fiona Agriculture Support Program, On-Farm Electrical Interruption Assistance Program, additional funding to the Island Community

Department of Agriculture and Land

Food Security Program, additional funding to the Farmers Assistance Program and FarmersTalk.ca, and adjustments to Business Risk Management Programs

- ✓ Provided support related to Prince Edward Island Marketing Council activities and Agencies, Boards and Commissions appointments for 2022/2023

Evaluation and Performance Monitoring

- ✓ Completed annual performance reports for Canadian Agricultural Partnership (CAP) programs
- ✓ Prepared implementation report on the Department's Strategic Plan 2021-2025

Statute Development

- ✓ Completed legislative research for the further development of the *Veterinary Professions Act*, the *Dog Act*, the *Agricultural Insurance Act* and Regulations, and the *Animal Health Act*
- ✓ Released public consultation on the proposed *Dog Owners Act*
- ✓ Completed research and development of amendments to the *Plant Health Act*
- ✓ Addressed recommendations from the Final Report of the Land Matters Advisory Committee and continued research
- ✓ Passed amendments to the *Plant Health Act*, the *Building Codes Act*, and the *Grain Elevators Corporation Act*

Federal-Provincial-Territorial (FPT) Relations

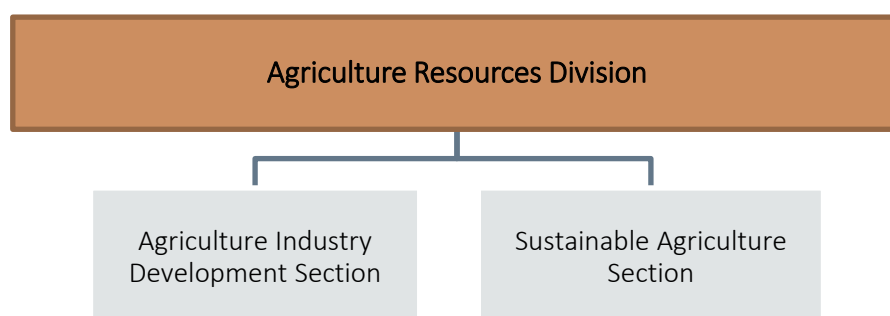
- ✓ Represented the Department on over twenty (20) FPT and PT committees and eight (8) interdepartmental committees
- ✓ Continued to communicate with Agriculture and Agri-Food Canada on priorities of mutual interest

Policy Capacity Development

- ✓ Continued to implement the Policy Capacity Development and Mentorship Program
- ✓ Provided co-chair services to the interdepartmental Policy Capacity Development Forum
- ✓ Division staff completed policy capacity training activities, including Policy Hackathon, Project Management Essentials, Qualitative Data Analysis, Advancing Reconciliation, Policy Lens, the Canadian Evaluation Society's Essential Skills Series, Climate Change Adaptation Evaluation, and Fostering Inclusive Communication in the Workplace

Agriculture Resources Division

The Agriculture Resources Division includes the Agriculture Industry Development Section and the Sustainable Agriculture Section.



Agriculture Industry Development Section

This section provides resources to support agriculture industry development. Development Officers with crop and livestock commodity expertise are available to work with producers and partner with industry organizations and commodity groups on specific production-related topics, industry development projects, on-farm innovative technology demonstrations, and applied research trials.

The section is responsible for the delivery of six CAP programs, including Business Development Program, Applied Research and Innovation Program, Organic Industry Development Program, Perennial Crop Development Program, Future Farmer Program, Island Community Food Security Program, and Agriculture Awareness Program.

Areas of Focus in 2022-2023:

Hurricane Fiona changed the focus of the section for the latter half of the year. The section became involved in many different aspects of support to the agriculture industry:

- ✓ Immediately following the Hurricane Fiona, staff worked closely with clients to identify immediate needs and mitigate crises that arose
- ✓ Worked with custom harvesters to access extra harvest equipment for the province
- ✓ Developed the Fiona Agriculture Support Program, in collaboration with other divisions
- ✓ Two new staff were hired to work on the Fiona Agriculture Support Program
- ✓ Worked to communicate and deliver the Fiona Agriculture Support Program to clients
- ✓ Developed a damage assessment in conjunction with Tree Fruit Growers

Developed and launched the following initiatives:

- ✓ Designed and delivered the Soil Building for Seed Potato Producers Program under the Potato Industry Contingency Fund
- ✓ Delivered the Island Community Food Security Program
- ✓ Supported the development of the Local Growers Station/Island Food Hub

Department of Agriculture and Land

Continued to deliver and support the following initiatives:

- ✓ Promotion of the Provincial Livestock Strategy
- ✓ Development and delivery of a community pasture enhancement project
- ✓ Delivery of the Future Farmer Program
- ✓ Delivery of Canadian Agriculture Partnership programming
- ✓ Producing the Fresh Products Directory supporting local producers
- ✓ Maintenance of the Department website
- ✓ Delivery of the Potato Wart Emergency Contingency Fund
- ✓ Delivery of an online Class A pesticide certification training and continuing education courses
- ✓ Delivery of a Dairy Beef Cross Pilot Project
- ✓ Delivery of the Pollination Expansion Program
- ✓ Providing information and presentations to support the meeting of the International Scientific Advisory Panel on Potato Wart
- ✓ Planning and delivery of the 2023 PEI Potato Conference
- ✓ Publishing the 2022 PEI Seed Potato Certification List and Grower Directory
- ✓ Delivery of a Perennial Crop Development Program
- ✓ Assistance with the Manure Management Guideline update

Sustainable Agriculture Section

This section supports the agriculture sector in contributing to the priorities of climate change, soil health, clean water and air resources, and improved biodiversity, as it relates to agriculture. The section works to provide support to producers in voluntarily implementing Beneficial Management Practices (BMPs) through the delivery of agri-environmental programs and services, including the Agriculture Stewardship Program, the Alternative Land Use Services Program, and the Soil Health Improvement Plan Service.

The section also provides technical assistance and advice related to soil conservation, water quality and supply, nutrient management, crop rotation, soil health, and integrated pest management. A key role of the section is to facilitate improved environmental outcomes through collaboration, partnership and participation on various working groups and initiatives with producer organizations, research institutions, watershed groups, and others.

Areas of Focus in 2022-2023:

Developed or launched the following initiatives:

- ✓ A new staff position, Soil Health Specialist, to deliver the Soil Health Improvement Plan (SHIP) service
- ✓ A Nature Smart Climate Solutions project, with Environment and Climate Change Canada, to undertake program development and delivery activities to enhance carbon sequestration and biodiversity in agricultural landscapes
- ✓ A new soil health test, Available Water Capacity, as part of the soil health analysis package at the PEI Analytical Laboratories
- ✓ Two weather stations added to the existing eleven departmental weather stations

Department of Agriculture and Land

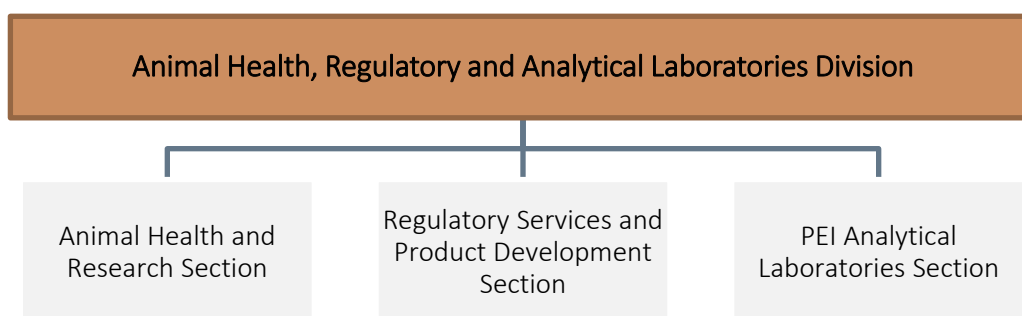
- ✓ On-farm spring cover crop trials, as a new beneficial management practice, in collaboration with agricultural producers
- ✓ Program review of the Alternative Land Use Services Program, with a climate lens
- ✓ Review and stakeholder consultations for the renewal of the 1999 Guidelines for Manure Management for Prince Edward Island
- ✓ Presented results of a manure sampling project to update provincial average nutrient content of manure through a survey across commodities
- ✓ Collaboration with the PEI Federation of Agriculture on a climate adaptation project

Continued to deliver and support the following initiatives:

- ✓ Delivery of the Agriculture Stewardship Program, and the Alternative Land Use Services Program (including a partnership with ALUS Canada)
- ✓ Offering a soil health analysis package at the PEI Analytical Laboratories
- ✓ Partnership with the Faculty of Sustainable Design Engineering (Precision Agriculture project related to soil conservation)
- ✓ Soil First Farming Campaign
- ✓ The PEI Agriculture Climate Solutions Pilot Program, including participation in a research project on kelp as a cattle feed additive
- ✓ The expanded Soil Quality Monitoring Study with soil health tests on each sample
- ✓ Technical support for the erosion control projects in partnership with the PEI Agri-Watershed Partnership
- ✓ Two research trials for the development of agricultural BMPs in partnership with stakeholders under Agriculture and Agri-Food Canada's Living Laboratories Initiative
- ✓ Management plan development under the *Agricultural Crop Rotation Act*
- ✓ Participation on the FPT Committee on Pest Management and Pesticides, Minor Use Standing Committee, and Pesticide Risk Reduction Program
- ✓ Processes related to applications for Emergency Use Registrations of pest control products
- ✓ Partnership with Dalhousie University on field trials related to soil biological nitrogen availability

Animal Health, Regulatory and Analytical Laboratories Division

The Animal Health, Regulatory and Analytical Laboratories Division includes the Animal Health and Research Section, the Regulatory Services and Product Development Section and the PEI Analytical Laboratories Section.



Animal Health and Research Section

This section supports the agriculture and aquaculture sectors with animal health, emergency preparedness, and animal health disease prevention and surveillance. This section also provides expertise in research, epidemiology, traceability and assurance programming.

Areas of Focus in 2022-2023:

- ✓ Participated in provincial, regional, national and international animal health discussions with a focus on emergency preparedness with a one health perspective
- ✓ Assisted in the departmental response to Hurricane Fiona
- ✓ Completed committee work exploring the concept of a biorefinery for agricultural waste management and identified next steps
- ✓ Completed year two of a comprehensive crop adaption to climate change project
- ✓ Participated in provincial, regional, national, and international animal health discussions with a focus on local, regional, and national foreign animal disease preparedness and response
- ✓ Participated in numerous opportunities to deliver messaging on positive animal welfare, including public lectures to school groups, 4-H and commodity groups, and veterinary professionals
- ✓ Administered the Assurance Systems Program
- ✓ Completed projects through the Assurance Systems Program aimed at improving animal welfare on PEI through veterinary education and partnering with AVC researchers to benchmark horse welfare and improve owner education
- ✓ Development of response plans for proposed list of named diseases to accompany on-going work to modernize the *Animal Health Act*
- ✓ Participated in communication, planning, and response to discovery of highly pathogenic avian influenza in wild birds and mammals on PEI
- ✓ Reviewed and updated five Animal Disease Emergency Response Manuals and met with all corresponding emergency response teams

Department of Agriculture and Land

Regulatory Services and Product Development Section

This section is responsible for safeguarding and supporting components of plant health, animal health and welfare, and industry development. This is accomplished, in part, by administering and enforcing five provincial statutes and seven sets of regulations. This section responds to complaints from the public concerning the welfare of commercial animals (livestock) and collaborates with external groups involved in the protection of companion animals.

This section also delivers programing that provides financial support for improving the competitiveness and profitability of agriculture through the CAP.

Areas of Focus in 2022-2023

- ✓ Supported seven small and medium-sized agri-processors purchase equipment to expand their capacity
- ✓ Supported enhancements to cleaning and processing lines
- ✓ Supported the creation of a local organic food hub
- ✓ Supported the Canadian Food Inspection Agency and the potato industry with potato wart control by providing a cleaning and disinfection service
- ✓ Continued implementation of measures to minimize the spread of bacterial ring rot between potato farms
- ✓ Issued 77 permits authorizing the planting of seed potatoes from outside PEI
- ✓ Conducted the Post Harvest Potato Virus Program to ensure the continued quality of Prince Edward Island Seed Potatoes
- ✓ Responded to 171 complaints from the public

PEI Analytical Laboratories (PEIAL) Section

Located in the Bio-Commons Park in Charlottetown, the PEI Analytical Laboratories is cooperatively managed by the Department of Agriculture and Land and the Department of Environment, Energy and Climate Action. This allows for the sharing of staff, equipment and supplies. The laboratory is accredited by the Standards Council of Canada (SCC) to the international standard for the competence of calibration and testing laboratories, ISO/IEC 17025. This laboratory has responsibilities for delivering high-quality laboratory services including:

- Dairy – The Dairy Laboratory provides microbiological and compositional analysis of raw milk and finished dairy products.
- Plant Health Diagnostics – The Plant Diagnostics Laboratory provides disease identification services for commercial crops and home gardens. The laboratory operates on a seasonal basis from spring until fall.
- Soil and Feed – The Soil and Feed Testing Laboratory provides chemical analysis of soil, feed, plant tissue, compost, and greenhouse media.
- Soil Health – The Soil Health Laboratory provides chemical, physical and biological analysis of soil.
- Water – The Water Laboratory provides chemical and microbiological analysis of drinking water, surface water and wastewater.

Department of Agriculture and Land

Areas of Focus in 2022-2023:

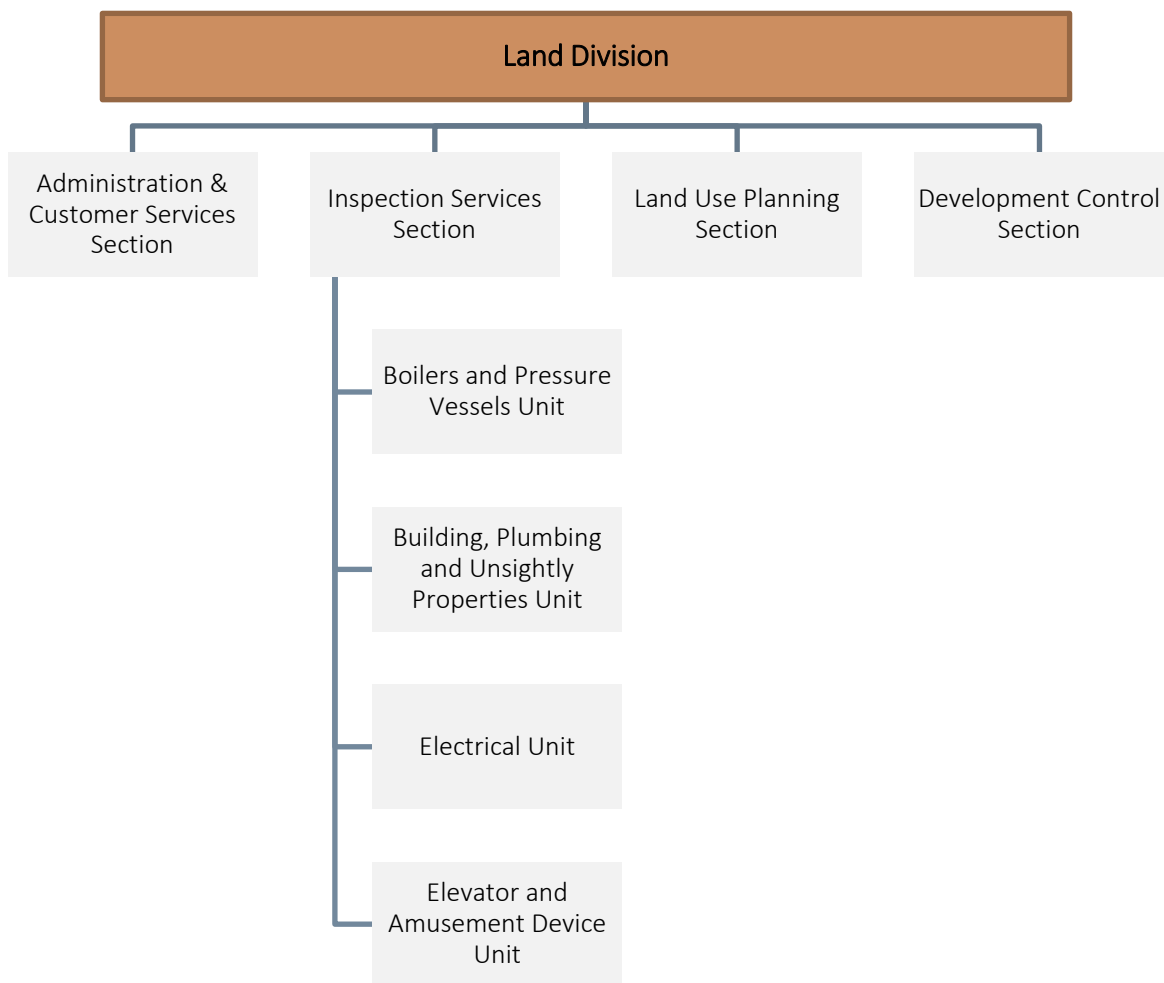
- ✓ Interest in soil health testing remained high in 2022-23 with a substantial number of research samples continuing to be submitted. Work on the development of the Available Water Capacity Test was completed and became available as an add on to the Soil Health testing package in the fall of 2022.
- ✓ The costing model developed by MRSB was used to assess laboratory testing fees for dairy components and soil health. This model will be used to establish fees for all tests offered by the laboratory and identify areas for potential material and cost savings.
- ✓ Work continued on the development of the Laboratory Information Management System (LIMS). The greenhouse and seed germination sub-systems were incorporated into LIMS in 2022-2023. Work will continue on incorporating the final subsystem, special products, in early 2023-2024.
- ✓ Maintaining relationships with local educational institutes continued to be a priority in 2022-2023 as the laboratory hosted an on the job training student from Holland College in May 2022. These students gain valuable experience by working alongside senior laboratory technicians conducting accredited testing methods in a through-put laboratory environment.

Agricultural Samples Analyzed, 2020-21 to 2022-2023 Fiscal Years

Type	2020-2021	2021-2022	2022-2023
Raw Milk	269,914	273,387	263,766
Processed Dairy Products	247	704	918
Soil	14,667	13,396	11,635
Soil Health	725	987	1,169
Feed	1,604	1,514	1,130
Leaf Tissue	1,665	1,680	1,090
Seed	232	439	310
Special Products	1,095	971	569
Greenhouse	280	472	309

Land Division

The Land Division provides responsible land stewardship based on efficient and sustainable land use planning, regulation of land ownership, and protection of the natural and built environment. This Division includes the Administration and Customer Services Section, the Inspection Services Section, Land Use Planning Section, and Development Control Section.



Administration and Customer Services Section

Located in the J. Elmer Blanchard Building in Charlottetown, Access PEI in Summerside, and Access PEI in Montague, this section provides front line service delivery and assists the public with questions related to building, subdivision and development, septic, electrical, plumbing, boiler, petroleum storage, elevator and lifts, and amusement rides.

Department of Agriculture and Land

Areas of Focus in 2022-2023:

- ✓ Created and staffed a permanent Client Service Officer position to serve customers in our O’Leary (50%) and Summerside (50%) offices
- ✓ Created a new Land Financial System to improve financial processing, as well as client service

Inspection Services Section

The Inspection Services Section is responsible for the provision of the coordinated and integrated implementation of regulations aimed at protecting public health, safety, and natural environment. This is achieved through the administration and enforcement of a number of codes and standards related to building and construction, energy efficiency, electrical safety, elevator safety, amusement devices, plumbing, and boilers and pressure vessels.

Boilers and Pressure Vessels Unit

This unit administers the *Boilers and Pressure Vessels Act*, the *Power Engineers Act* and regulations under the *Environmental Protection Act* (Home Heat Tanks, Petroleum Storage Tanks, and Ozone Layer Protection).

Building, Plumbing and Unsightly Properties Unit

This unit administers the *Building Codes Act* and the *Unsightly Property Act*. This unit ensures public safety and the structural integrity of buildings, as well as barrier free design and energy efficiency. This unit also enforces A Code for Plumbing Services Regulations under the *Environmental Protection Act*.

Electrical Unit

This unit administers the *Electrical Inspection Act* and completes activities to ensure safe installation and maintenance of electrical equipment.

Elevator and Amusement Devices Unit

The unit administers the *Elevators and Lifts Act* and the *Amusement Devices Act* and completes activities to ensure public safety in the operation of elevators and to minimize the possibility of accidents and injuries during the use of amusement devices.

Areas of Focus in 2022-2023:

- ✓ Added one new Building Official position to the section.
- ✓ Increased Plumbing Inspector complement from 2.5 to 3.0 positions.
- ✓ Created a building permit specific email account and 1-800 number for inquiries and inspection scheduling. This has improved client communication as well as decreased the number of drop-ins and telephone inquiries for our building section.

Department of Agriculture and Land

Licenses, applications and processes completed, Land Division, 2022-2023 fiscal year

INSPECTIONS: <ul style="list-style-type: none"> ✓ Boilers and Pressure Vessels equipment inspections (1912) ✓ Hazard Repair Orders Boilers and Pressure Vessels and LP Gas (131) ✓ LP Gas Bulk Trucks, Plants, Consumer Sites, Pressure Tests and Re-inspection (317) ✓ Annual Elevator Inspections (621) ✓ New Elevator Installations (26) ✓ Amusement Device Inspections (40) REGISTRATIONS: <ul style="list-style-type: none"> ✓ Boilers, Pressure Vessels, Pressure Piping, and Fittings Registrations (913) ✓ Registered Welding/Brazing Procedures (9) ✓ Home Heat Tanks Registered (997) ✓ Petroleum Storage Tanks Registered (22) ✓ Registered Handlers of ODS (38) ✓ Registered Mechanical Contractors (44) PERMITS: <ul style="list-style-type: none"> ✓ LP Gas Permits Issued (252) ✓ Plumbing Permits Issued (913) ✓ Electrical Permits Issued (18,512) ✓ Building Permit Applications (1140) ✓ Annual Electrical Permits (4) EXAMS: <ul style="list-style-type: none"> ✓ LP Gas Examinations Conducted (4) ✓ Power Engineer's Examinations Conducted (112) 	LICENSES & CERTIFICATES: <ul style="list-style-type: none"> ✓ LP Gas Certified Personnel: Bulk Plant Operator, Dispenser Operator, Tank Truck Operator, Domestic Gas Fitter, Cargo Line Operator and Industrial Gas Fitter (338) ✓ Licensed Power Engineer's: First, Second, Third and Fourth Class (287) ✓ Registered Plants Requiring Licensed Power Engineers (49) ✓ Refrigeration License Class A & B (28) ✓ Welders/Brazers Certified (217) ✓ Home Heat Tank Installers Licenses (27) ✓ Petroleum Storage Tank Contractors (Level 1 and 2) (26) ✓ License to Purchase ODS (17) ✓ Electrical Contractors Licensed (280) ✓ Special Electrical Licenses (1) ✓ Restricted Electrical Licenses (20) ✓ Elevator Contractors Licenses (2) ✓ Elevator Installer Licenses (10) ✓ Plumbing Contractors (100) INVESTIGATIONS: <ul style="list-style-type: none"> ✓ Unsightly property investigations (128)
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Provincial Planning

In 2022-2023, the Provincial Planning Branch of the Land Division was split into two sections, Land Use Planning Section and Development Control Section. This new structure allows for a new Land Use Planning Section to be dedicated to the modernization of the provincial planning system, including both provincial and municipal planning.

Land Use Planning Section

This section is responsible for interpreting the *Planning Act* and the *Prince Edward Island Lands Protection Act* and its Land Identification Regulations and Exemption Regulations. This section supports individuals and groups in the public and private sector to achieve sustainable land use strategies and development practices. This section also reviews and provides recommendations on municipal applications requiring Ministerial sign off. This would include rezoning applications, amendments to official plans, and the creation of new official plans.

Department of Agriculture and Land

Areas of Focus for 2022-2023:

- ✓ A new Manager of Land Use Planning position was created to lead this team.
- ✓ Land Use Planning took over the responsibility for reviewing municipalities' official plan and zoning amendment applications previously held under Municipal Affairs.
- ✓ The Land Use Planning Section issued a Request for Proposal (RFP) for the State of the Island Report. This is the first step towards the creation of a province-wide Land Use Plan.
- ✓ Three planning staff were accepted as candidate members of the Canadian Institute of Planners. One staff person is now a member of the Royal Town Planning Institute.

Development Control Section

This section is responsible for administering the *Planning Act* Subdivision and Development Regulations, *Roads Act* Highway Access Regulations, and the *Water Act* Sewage Disposal Regulations in the review, evaluation, and decision-making processes. The section oversees the processing of subdivision, development, and change of use applications for approximately 90% of the land mass of PEI.

This section works closely with other government departments and agencies, including the Department of Transportation and Infrastructure; the Island Regulatory and Appeals Commission (IRAC); as well as the Department of Environment, Energy and Climate Action.

Services are provided to members of the public from offices in Charlottetown, Summerside, O'Leary, and Montague.

Areas of Focus for 2022-2023:

- ✓ Statements of Provincial Interest were adopted in the *Planning Act*.
- ✓ Complex applications are now evaluated by Planning staff to confirm the proposals are based on sound planning principles and to ensure consistency across the Province.
- ✓ Streamlined processes, policies, and procedures to improve turn-around times.
- ✓ Added two Property Inquiries Coordinator positions to ensure applications are filled out correctly and assist Property Development Officers (PDOs) with everyday development inquiries, which allows PDOs to concentrate on processing applications.

Permits issued and application fees received for development, septic and site assessments, 2022-2023

Location (Region)	Development Permits	Septic Permits	Site Assessments
Montague/Souris	339	120	160
Charlottetown	448	290	383
Summerside	293	103	143
O'Leary	318	113	168
TOTAL	1398	626	854

Department of Agriculture and Land

Percentages of development permits issued for various uses, by region, 2022-2023

Permit Type	Ch'town	Montague/ Souris	Summerside	O'Leary	No. of Permits	%
Residential Single	110	152	125	84	471	41.4
Mini/Modular/ Mobile Homes	16	11	5	29	61	5.4
Residential Cottages	28	3	22	13	66	5.8
Commercial Cottages	0	3	0	0	3	0.3
Industrial / Commercial	6	12	5	13	36	3.2
Non-Commercial Garage/Storage Building	68	68	52	57	245	21.5
Agricultural Development	18	18	14	7	57	5.0
Miscellaneous ¹	42	18	43	88	198	17.4
TOTAL	288	285	266	291	1130	100
Note:						
¹ Miscellaneous includes other structures not listed in the permit type.						

Development permits issued for new single-family dwellings (sfd) and summer cottages (sum), by region, 2018-2023

	2018-19		2019-20		2020-21		2021-22		2022-23	
Location	sfd	sum	sfd	sum	Sfd	sum	sfd	sum	sfd	sum
Montague/Souris	96	33	131	26	158	8	151	3	153	2
Charlottetown	194	41	222	51	326	34	238	26	225	28
Summerside	82	52	101	39	145	44	117	25	129	22
O'Leary	73	25	78	20	147	17	135	176	113	13
TOTAL	445	151	532	136	776	103	641	60	620	65

Subdivision applications received, approved, cancelled, denied, and pending, by region, 2022-2023

Location	Subdiv'n Appl. Received	Applications Approved	Cancelled Appl.	Denied Appl.	Pending Appl./ Other	Preliminary Approvals
Montague/Souris	123	48	1	2	69	3
Charlottetown	209	93	5	7	95	9
Summerside	137	53	3	1	55	25
O'Leary	136	60	5	1	58	12
TOTAL	605	254	14	11	277	49

Department of Agriculture and Land

Lots created through subdivision approvals, 2022-2023

Location	Single Family	Summer Cottage	Industrial/ Commercial	Agriculture	Misc.	Total
Montague/ Souris	51	0	4	5	8	68
Charlottetown	172	0	6	6	3	187
Summerside	77	0	8	6	3	94
O'Leary	66	0	1	0	3	70
TOTAL	366	0	19	17	17	419

Department of Agriculture and Land

Appendix A: Financial Statement

Department of Agriculture and Land Expenditures and Revenue Summary 2022-2023 Fiscal Year

Division	Original Budget	Revised Budget	Actual Expenditures/Revenue
EXPENDITURE			
Department Management	\$668,200	\$668,200	\$544,767
Agriculture Resources	\$10,311,600	\$10,311,600	\$19,175,738
Strategic Policy and Evaluation	\$1,407,200	\$1,407,200	\$1,189,088
Animal Health, Regulatory and Analytical Labs	\$5,111,700	\$5,111,700	\$5,826,368
Land Division	\$4,558,300	\$4,558,300	\$3,601,952
PEI Agriculture Insurance Corporation	\$14,825,000	\$14,825,000	\$13,394,003
Total Expenditure	\$36,882,000	\$36,882,000	\$43,731,916
REVENUE			
Department Management	\$4,162,800	\$4,162,800	\$4,029,480
Agriculture Resources	\$320,700	\$320,700	\$366,364
Strategic Policy and Evaluation	-	-	\$82,863
Animal Health, Regulatory and Analytical Labs	\$780,200	\$780,200	\$1,202,172
Land Division	\$3,334,300	\$3,334,300	\$3,878,412
PEI Agriculture Insurance Corporation	-	-	-
Total Revenue	\$8,608,000	\$8,608,000	\$9,559,291
TOTAL NET	\$28,274,000	\$28,274,000	\$34,172,625

Financial information is based on the 2022-2023 Public Accounts.

Department of Agriculture and Land

Appendix B: Funding by Recipient Type and Activity Area for the Canadian Agricultural Partnership

Recipient Type	Year 1 (2018-2019)	Year 2 (2019-2020)	Year 3 (2020-2021)	Year 4 (2021-2022)	Year 5 (2022-2023)
Primary Producer	\$2,697,024	\$3,397,594	\$3,193,943	\$3,185,977	\$2,489,319.22
Producer Organization	\$698,656	\$969,263	\$916,711	\$884,111	\$976,237.09
Processor	\$359,357	\$262,117	\$451,037	\$267,142	75,305.89
Processor Organization	\$0	\$0	\$15,479	\$0	2,500.00
Research Bodies	\$15,887	\$97,288	\$69,048	\$72,876	107,804.74
Retailer/Input Supplier	\$0	\$22,733	\$3,827	\$3,949	2,070.00
PT Government	\$302,662	\$345,415	\$207,958	\$1,797,095	628,580.91
Indigenous Government/ Indigenous Community/ Indigenous Group	\$17,303	\$8,936	\$0	\$0	19,754.57
Municipal Government	\$0	\$1,000	\$502	\$13,250	18,500.00
Other Industry Group	\$682,616	\$823,102	\$958,477	\$976,140	701,421.53
Total	\$4,773,505	\$5,927,448	\$5,816,477	\$7,200,540	5,021,493.95

Activity Area	Year 1 (2018-2019)	Year 2 (2019-2020)	Year 3 (2020-2021)	Year 4 (2021-2022)	Year 5 (2022-2023)
International Market Development	\$85,572	\$48,726	\$69,169	\$42,500	\$66,555.00
Domestic Market Development	\$255,517	\$421,392	\$576,526	\$496,944	\$205,996.32
Business Development	\$214,829	\$232,871	\$150,789	\$143,749	\$157,289.77
Environment, Climate Change Mitigation and/or Adaptation	\$1,366,753	\$1,647,374	\$1,375,765	\$1,456,924	\$1,502,442.27
Research	\$364,700	\$700,761	\$622,821	\$579,647	\$589,009.00
Training, Knowledge Transfer and Awareness Raising	\$615,700	\$655,006	\$543,842	\$804,988	\$575,788.87
Adopting New Technologies, Activities/Practices, Processes or Products	\$633,629	\$1,023,103	\$1,268,315	\$990,676	\$1,005,865.20
Assurance Activities	\$237,348	\$410,260	\$252,296	\$226,321	\$197,397.93
System, Equipment and Facility Modernization	\$719,582	\$537,442	\$693,450	\$677,722	\$423,484.27
Pre-commercial Development, Prototyping and Demonstration	\$44,501	\$25,000	\$0	\$0	\$4,978.29

Department of Agriculture and Land

Commercialization	\$235,375	\$230,495	\$70,000	\$26,988	\$78,221.33
Miscellaneous	\$0	\$0	\$221,124	\$1,754,081	\$214,475.75
Total	\$4,773,506	\$5,932,430	\$5,847,879	\$7,200,540	\$5,021,504.00

Appendix C: Performance Metrics for the Canadian Agricultural Partnership, 2022-2023

Priority Area	Markets and Trade	
Outcome	Expand domestic and international markets	
Objective	Companies receive the targeted assistance they need from a coordinated suite of FPT and industry resources	
Program(s)	Community Food Security and Agriculture Awareness Program, Future Farmer Program, and Business Development Program	
Performance Indicator	Type	Total
# of participants who completed business assessment and/or planning and/or mentoring activities by recipient type, by type of industry.	<i>Primary Producer Type of Industry:</i> Oilseed and Grain Farming (1); Vegetable and Melon Farming (7); Fruit and Tree Nut Farming (1); Beef Cattle Ranching and Farming, including Feedlots (2); Dairy Cattle and Milk Production (3); Hog and Pig Farming (1) <i>Producer Organization Type of Industry:</i> Dairy Cattle and Milk Production (2) <i>Retailer/Wholesaler/Input Supplier Type of Industry</i> Food, Beverage and Tobacco Merchant Wholesalers (1)	18
# of market development activities by type of industry	<i>Type of Industry:</i> Vegetable and Melon Farming (2); Greenhouse, Nursery and Floriculture Production (1); Poultry and Egg Production (1); Sheep and Goat Farming (2); Other Animal Production (1); Hog and Pig Farming (1); Fruit and Tree Nut Farming; Oilseed and Grain Farming (1); Multiple Industries (1)	11
# of participants in market development activities	NA	11,489
# of training/knowledge transfer events by event type	<i>Type of Event:</i> Group In-person (26); Web-based, including Webinars (6); One-on-one (2); On-site (34); Conference/Trade Shows (16)	84
# of participants in training/knowledge transfer events by event type	<i>Type of Event:</i> Group In-person (42,499); Web-based, including Webinars (11,490); One-on-one (2); On-site (36); Conference/Trade Shows (2,646)	56,673
# of market information and intelligence products created, updated or disseminated by type of industry	<i>Type of Industry:</i> Multiple Industries (1)	1

Department of Agriculture and Land

# of new technologies (products, practices, processes and systems) that are demonstrated on-farm or in-plant by type of industry.	<i>Type of Industry:</i> Multiple Industries (1)	1
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Priority Area	<i>Science, Research and Innovation</i>	
Outcome	Increase competitiveness, productivity, and profitability; and Increase environmental sustainability	
Objective	To enhance the sector's resilience, improve the sector's productivity and accelerate the commercialization of products with new and improved attributes	
Program(s)	Agriculture Research and Innovation Program	
Performance Indicator	Type	Total
# of new technologies (products, practices, processes, and systems) that are assessed under research conditions by type of industry	<i>Type of Industry:</i> Multiple industries (2); Oilseed and Grain Farming (4); Vegetable and Melon Farming (5); Fruit and Tree Nut Farming (3); Dairy Cattle and Milk Production (2); Poultry and Egg Production (1); Other Animal Production (1); Support Activities for Crop Production (3); Beef Cattle Ranching and Farming, including Feedlots (1)	22
# of new technologies (products, practices, processes, and systems) that are demonstrated on-farm or in-plant by type of industry	<i>Type of Industry:</i> Vegetable and Melon Farming (2); Multiple Industries (1); Fruit and Tree Nut Farming (1); Other Animal Production (1); Support Activities for Crop Production; Beef Cattle Ranching and Farming, including Feedlots (1)	7
# of new technologies (products, practices, processes and systems) that are utilized by type of industry	<i>Type of Industry:</i> Oilseed and Grain Farming (14); Vegetable and Melon Farming (19); Dairy Cattle and Milk Production (24); Fruit and Tree Nut Farming (5); Hog and Pig Farming (1); Other Animal Production (2); Poultry and Egg Production (5); Sheep and Goat Farming (6); Support Activities for Crop Production (2); Other Crop Farming (2); Multiple Industries (1); Beef Cattle Ranching and Farming, including Feedlots (10)	91
# of highly qualified personnel working on funded activities (including master's and PhD students)	NA	98

Department of Agriculture and Land

# of training/knowledge transfer events by event type	<i>Type of Event:</i> Group In-person (96); Web-based, including Webinars (16); One-on-one (42); On-site (23); Conference/Trade Shows (19)	196
# of participants at training/knowledge transfer events by event type	<i>Type of Event:</i> Group In-person (1,155); Web-based, including Webinars (326); One-on-one (433); On-site (44); Conference/Trade Shows (2,219)	4,177
# of new knowledge transfer products developed (i.e., brochure, factsheet, flyers, guides, articles in trade magazines, technical bulletins and social media items)	NA	194

Priority Area	Risk Management	
Outcome	Improve the anticipation, mitigation and response to risks	
Objective	Help the sector coordinate and integrate prevention and mitigation, preparedness, response and recovery activities to maximize the resilience of the sector	
Program(s)	Assurance Systems Program	
Performance Indicator	Type	Total
# of sector-oriented risk management/assurance activities completed by activity type	<i>Type of Activity:</i> Traceability (1); Food Safety (3); Biosecurity (2); Animal Welfare (6)	12
# of risk management/assurance projects completed on-farm by activity type	<i>Type of Activity:</i> Food Safety (2); Biosecurity (1); Animal Welfare (3)	6
# of risk management/assurance projects completed at processing facilities by activity type	<i>Type of Activity:</i> Traceability (1); Animal Welfare (1)	2
# of training/knowledge transfer events by event type	<i>Type of Event:</i> Group In-person (3); Web-based, including Webinars (1); One-on-one (4); On-site (82); Mentorship (35); Conference/Trade Shows (9); Peer-to-peer (1); Not Specified (1)	136

Department of Agriculture and Land

# of participants at training/knowledge transfer events by event type	<i>Type of Event:</i> Group In-person (48); Web-based, including Webinars (7); One-on-one (4); On-site (82); Mentorship (35); Conference/Trade Shows (1); Peer-to-peer (2); Not Specified (15)	194
# of new technologies (products, practices, processes, and systems) that are demonstrated on-farm or in-plant by type of industry	<i>Type of Industry:</i> Meat Product Manufacturing (1); Other Animal Production (1)	2

Priority Area	<i>Value-Added Agriculture and Agri-Food Processing</i>	
Outcome	Increase competitiveness, productivity, and profitability; and Expand domestic and international markets	
Objective	Expand the growth and competitiveness of value-added agriculture and agri-food processing	
Programs	Strategic Industry Growth Initiative, Organic Industry Development Program, Product and Market Development Program	
Performance Indicator	Type	Total
# of capital investment projects completed by type of industry	<i>Type of Industry:</i> Fruit and Tree Nut Farming (1); Agricultural, Construction and Mining Machinery Manufacturing (1); Oilseed and Grain Farming (2); Vegetable and Melon Farming (2); Fruit and Vegetable Preserving and Specialty Food Manufacturing (3); Beverage Manufacturing (1); Dairy Product Manufacturing (1); Meat Product Manufacturing (1); Bakeries and Tortilla Manufacturing (1)	13
# of training/knowledge transfer events by event type	<i>Type of Event:</i> Web-based (including Webinars) (6); Conference/Trade Shows (1)	7
# of participants at training/knowledge transfer events by event type	<i>Type of Event:</i> Web-based (including Webinars) (25); Conference/Trade Shows (91)	116
# of participants entering new markets or diversifying markets by type of industry.	<i>Type of Industry:</i> Oilseed and Grain Farming (4); Vegetable and Melon Farming (4); Other Crop Farming (1); Fruit and Vegetable Preserving and Specialty Food Manufacturing (3); Dairy Product Manufacturing (1); Meat Product Manufacturing	16

Department of Agriculture and Land

	(1); Bakeries and Tortilla Manufacturing (1); Beverage Manufacturing (1)	
# of new technologies (products, practices, processes, and systems) that are developed by type of industry	<i>Type of Industry:</i> Other Crop Farming (1); Dairy Product Manufacturing (1)	2
# of new technologies (products, practices, processes, and systems) that are demonstrated on-farm and or in-plant by type of industry	<i>Type of Industry:</i> Fruit and Vegetable Preserving and Specialty Food Manufacturing (2); Dairy Product Manufacturing (1); Vegetable and Melon Farming (1); Meat Product Manufacturing (1); Bakeries and Tortilla Manufacturing (1); Agricultural, Construction and Mining Machinery Manufacturing (1); Fruit and Tree Nut Farming (1)	8
# of new technologies (products, practices, processes, and systems) that are utilized on-farm or in-plant by type of industry	<i>Type of Industry:</i> Fruit and Vegetable Preserving and Specialty Food Manufacturing (2); Dairy Product Manufacturing (1); Vegetable and Melon Farming (1); Meat Product Manufacturing (1); Bakeries and Tortilla Manufacturing (1); Agricultural, Construction and Mining Machinery Manufacturing (1); Fruit and Tree Nut Farming (1)	8

Priority Area	<i>Environmental Sustainability and Climate Change</i>	
Outcome	Increase environmental sustainability	
Objective	Facilitating clean growth in the agriculture sector, while achieving progress on environmental sustainability and climate change mitigation and adaptation	
Program(s)	Alternative Land Use Services (ALUS), Perennial Crop Development Program, and Agriculture Stewardship Program	
Performance Indicator	Type	Total
# of environmental risk assessments (e.g. Environmental Farm Plans or equivalent) developed or updated by recipient type, by type of industry	<i>Primary Producer Type of Industry:</i> Beef Cattle Ranching and Farming, including Feedlots (11); Cattle Ranching and Farming (37); Oilseed and Grain Farming (6); Hog and Pig Farming (1); Forest Nurseries and Gathering of Forest Products (1); Other Crop Farming (11); Other Animal Production (1); Vegetable and Melon Farming (20); Multiple Industries	90

Department of Agriculture and Land

# of training/ knowledge transfer events by event type	<i>Type of Event:</i> Group In-Person (1)	1
# of participants at training/knowledge transfer events by event type	<i>Type of Event:</i> Group In-Person (18)	18
# of extension information materials and products produced (e.g., factsheets, reference manuals, online videos, etc.)	NA	1
# of on-farm beneficial management practices (BMP) projects completed by type of BMP	<i>Type of BMP:</i> Conservation Tillage/Nutrient Placement (17); On-farm Water Supply and Retention (9); Farmyard Runoff Control/Runoff Drainage Control and Management (6); Manure Storage and Handling (4); Agriculture Water Use Efficiency (non-irrigation) (1); Riparian and Buffer Establishment (7); Improved Pest Management / Pesticide Application (11); Sustainable Irrigation Management (2); Soil Health and Management (67)	124
# of new technologies (products, practices, processes, and systems) that are demonstrated on-farm or in-plant by type of industry.	<i>Type of Industry:</i> Fruit and Tree Nut Farming (1); Other Crop Farming (1)	2
# of participants entering new markets or diversifying markets by type of industry	<i>Type of Industry:</i> Fruit and Tree Nut Farming (17); Other Crop Farming (2)	19
# of education and awareness activities undertaken by governments addressing public trust considerations.	NA	0

Department of Agriculture and Land

Priority Area	<i>Public Trust</i>	
Outcome	Improve the anticipation, mitigation and response to risks	
Objective	The sector is examining new and effective mechanisms to engage and respond to domestic and international consumers and citizens	
Program(s)	Promoting Public Trust Program	
Performance Indicator	Type	Total
# of public trust strategies developed by industry or nongovernment organizations	NA	1
# of public trust research activities completed by industry or nongovernment organizations	NA	1
# of education and awareness activities undertaken by industry or nongovernment organizations addressing public trust	NA	5
# of training/ knowledge transfer events by event type	<i>Type of Event:</i> Conference/Trade Shows (2)	2
# of participants at training/knowledge transfer events by event type	<i>Type of Event:</i> Conference/Trade Shows (900)	900
# of new knowledge transfer products developed (e.g., brochures, factsheets, flyers, guides, articles in trade magazines, technical bulletins, and social media items)	NA	12



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