

Manitoba Environment and Climate

Environnement et Climat Manitoba

Annual Report Rapport annuel

For the year ended March 31, 2023
Pour l'exercice terminé le 31 mars 2023

2023

Indigenous Land Acknowledgement

We recognize that Manitoba is on the Treaty Territories and ancestral lands of the Anishinaabe, Anishinewuk, Dakota Oyate, Denesuline and Nehethowuk peoples.

We acknowledge Manitoba is located on the Homeland of the Red River Métis.

We acknowledge northern Manitoba includes lands that were and are the ancestral lands of the Inuit.

We respect the spirit and intent of Treaties and Treaty Making and remain committed to working in partnership with First Nations, Inuit and Métis people in the spirit of truth, reconciliation and collaboration.

Reconnaissance du territoire

Nous reconnaissons que le Manitoba se trouve sur les territoires visés par un traité et sur les terres ancestrales des peuples anishinaabe, anishinewuk, dakota oyate, denesuline et nehethowuk.

Nous reconnaissons que le Manitoba se situe sur le territoire des Métis de la Rivière-Rouge.

Nous reconnaissons que le nord du Manitoba comprend des terres qui étaient et sont toujours les terres ancestrales des Inuits.

Nous respectons l'esprit et l'objectif des traités et de la conclusion de ces derniers. Nous restons déterminés à travailler en partenariat avec les Premières Nations, les Inuits et les Métis dans un esprit de vérité, de réconciliation et de collaboration.

Manitoba Environment and Climate

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**MINISTER
OF ENVIRONMENT AND CLIMATE**

Room 344
Legislative Building
Winnipeg, Manitoba R3C 0V8
CANADA

September 1, 2023

Her Honour, the Honourable Anita R. Neville
Lieutenant-Governor of Manitoba
Room 235 Legislative Building
Winnipeg, MB R3C 0V8

May it Please Your Honour:

I have the privilege of presenting, for the information of Your Honour, the Annual Report of Manitoba Environment and Climate, for the fiscal year ending March 31, 2023.

Respectfully submitted,

Original Signed By

Honourable Kevin Klein
Minister of Environment and Climate





**MINISTRE
DE L' ENVIRONNEMENT ET DU CLIMAT**

Bureau 344
Palais législatif
Winnipeg (Manitoba) R3C 0V8
CANADA

1^{er} septembre 2023

Son Honneur l'honorable Anita R. Neville
Lieutenante-gouverneure du Manitoba
Palais législatif, bureau 235
Winnipeg (Manitoba) R3C 0V8

Madame la Lieutenante-Gouverneure,

J'ai l'honneur de vous présenter, à titre d'information, le rapport annuel du ministère de l'Environnement et du Climat du Manitoba pour l'exercice qui s'est terminé le 31 mars 2023.

Le tout respectueusement soumis,

Original signé par

Kevin Klein

Le ministre de l'Environnement et du Climat





**Environment and Climate
Deputy Minister**

Room 350 Legislative Building
Winnipeg MB R3C 0V8
T 204-945-3785
dmec@manitoba.ca

Honourable Kevin Klein
Minister of Environment and Climate
Room 344 Legislative Building
Winnipeg, MB R3C 0V8

Sir:

I am pleased to present for your approval the 2022/23 Annual Report of the Department of Environment and Climate.

Respectfully submitted,

Original Signed By

Ryan Klos
Deputy Minister of Environment and Climate





**Sous-ministre
de l'Environnement et du Climat**
Palais législatif, bureau 350, Winnipeg (Manitoba) R3C 0V8, Canada
Tél. 204-945-3785
dmec@manitoba.ca

Kevin Klein

Ministre de l'Environnement et du Climat

Palais législatif, bureau 344

Winnipeg (Manitoba) R3C 0V8

Monsieur,

J'ai le plaisir de soumettre à votre approbation le rapport annuel du ministère de l'Environnement et du Climat pour l'exercice 2022-2023.

Le tout respectueusement soumis,

Original signé par

Ryan Klos

Le sous-ministre des Environnement et du Climat



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Introduction/Introduction

This Annual Report is organized in accordance with the departments' appropriation structure as at March 31, 2023, which reflects the authorized appropriations approved by the Legislative Assembly.

Consistent with the Main Estimates Supplement, the annual report includes Balanced Scorecards to foster operational improvements by reinforcing transparency, urgency, alignment and accountability. As Balanced Scorecards have now been implemented by all departments, the previous Performance Reporting in the appendix has been discontinued.

The Annual Report includes information on the department and its Other Reporting Entities (OREs) summary financial results, provides a more detailed breakdown on any changes to its voted budget, and also reports on the department's progress of achieving diversity milestones. The tradition of providing the financial results with any associated variance explanations continues to be provided at the sub-appropriation level. Overall, the new annual report is intended to provide a more comprehensive picture of the department's financial performance.

Le présent rapport annuel est présenté conformément à la structure des postes budgétaires du ministère au 31 mars 2023, qui tient compte des crédits autorisés approuvés par l'Assemblée législative.

En cohérence avec le budget complémentaire, le rapport annuel comprend des tableaux de bord équilibrés qui favorisent l'amélioration sur le plan opérationnel en mettant l'accent sur la transparence, l'urgence, l'uniformité et l'obligation redditionnelle. Ces tableaux de bord ayant été mis en œuvre par tous les ministères, les rapports antérieurs sur la performance qui étaient inclus en annexe ont été abandonnés.

Le rapport annuel contient les résultats financiers sommaires du ministère et de ses autres entités comptables, fournit une ventilation plus détaillée des changements apportés au budget des crédits votés et rend compte des progrès du ministère en matière de diversité. Il continue de fournir les résultats financiers accompagnés d'explications sur les écarts au niveau des postes secondaires. Dans l'ensemble, le nouveau rapport annuel vise à offrir un portrait plus global de la performance financière du ministère.

Department At a Glance – 2022/23 Results

Department Name & Description	Environment and Climate is responsible for protecting Manitoba’s environment, managing and protecting water, and advancing climate action for the benefit of all Manitobans. The department advances both economic growth and environmental protection by working cooperatively with the public, Indigenous communities, other governments, and stakeholders.
Minister	Honourable Kevin Klein
Deputy Minister	Ryan Klos

Other Reporting Entities	2	<ul style="list-style-type: none"> • Efficiency Manitoba • Manitoba Hazardous Waste Management Corporation
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Summary Expenditure (\$M)	
151	133
Authority	Actual

Core Expenditure (\$M)		Core Staffing
73	80	331.00
Authority	Actual	Authority

Coup d'œil sur le ministère – Résultats en 2022-2023

Nom et description du ministère	Le ministère de l'Environnement et du Climat est responsable de la protection de l'environnement au Manitoba, de la gestion et de la protection de l'eau et de la promotion de la lutte contre les changements climatiques au profit de tous les Manitobains. Le ministère fait progresser à la fois la croissance économique et la protection de l'environnement en travaillant de façon concertée avec le public, les collectivités autochtones, les autres ordres de gouvernement et les parties prenantes.
Ministre	Kevin Klein
Sous-ministre	Ryan Klos

Autres entités comptables	2	<ul style="list-style-type: none"> • Efficacité Manitoba • Corporation manitobaine de gestion des déchets dangereux
---------------------------	----------	---

Dépenses globales (en millions de dollars)	
151	133
Dépenses autorisées	Dépenses réelles

Dépenses ministérielles (en millions de dollars)		Personnel ministériel
73	80	331,00
Dépenses autorisées	Dépenses réelles	Dépenses autorisées

Departmental Responsibilities

The Minister of Environment and Climate is responsible for leading the development and administration of the province's environment protection initiatives, managing and protecting water, and advancing action on climate change.

The overall responsibilities of the Minister, and the department of Environment and Climate include:

- Developing and administering legislation, regulations, and programs that protect the environment, prevent pollution, address climate change, and manage water. A comprehensive list of legislation under the responsibility of the Minister has been provided in the Appendix B.
- Advancing environmental protection by leading the review, assessment, approval, licensing and appeals processes for development activities, and the clean-up of contaminated sites and orphaned and abandoned mine sites.
- Ensuring compliance with environmental legislation through inspections, monitoring, and implementation of programs and activities that mitigate the impact of pollutants and contaminants in the environment.
- Managing and protecting the quality and quantity of our surface water and groundwater resources, and facilitating the delivery of quality drinking water to Manitobans.
- Developing and implementing strategies to reduce greenhouse gas emissions and increase climate resilience.
- Administering grant funding programs to support government priorities.
- Respecting and upholding the honour of the Crown with respect of Indigenous peoples and reconciling relationships.

The Minister is also responsible for:

- Efficiency Manitoba Board
- Manitoba Hazardous Waste Management Corporation Board
- Certification Advisory Committee
- Clean Environment Commission
- Expert Advisory Council
- Youth Advisory Council
- Watershed District Boards

Department Shared Services

Finance and Shared Services is comprised of the Process Improvement and Technology branch, Shared Services and Risk Management branch, and Financial Services branch. Together, this group provides information technology and business consultation services, risk management services, and financial and administrative leadership to the department. The Finance and Shared Services group, budgeted in Environment and Climate, also provides shared services to the department of Natural Resources and Northern Development.

Responsabilités ministérielles

Le ministère de l'Environnement et du Climat est responsable de l'élaboration et de l'administration des initiatives environnementales du Manitoba, de la gestion et de la protection des eaux ainsi que de la promotion de la lutte contre les changements climatiques.

Les responsabilités générales du ministre et du ministère de l'Environnement et du Climat sont les suivantes :

- Élaborer et exécuter les lois, les règlements et les programmes visant à protéger l'environnement, à prévenir la pollution, à lutter contre les changements climatiques et à gérer les eaux. La liste complète des lois relevant du ministre est fournie à l'annexe B.
- Protéger l'environnement en dirigeant les processus d'examen, d'évaluation, d'approbation, d'autorisation et d'appel liés aux activités d'aménagement ainsi que le nettoyage des lieux contaminés et des sites miniers orphelins et abandonnés.
- Veiller au respect des lois et des règlements ayant trait à l'environnement en effectuant des inspections, en exerçant une surveillance et en mettant en œuvre des programmes et des activités qui atténuent les répercussions des polluants et des contaminants sur l'environnement.
- Gérer et protéger la qualité de nos ressources en eaux de surface et en eaux souterraines et leur quantité et faciliter l'approvisionnement des Manitobains en eau potable de qualité.
- Élaborer et mettre en œuvre des stratégies visant à réduire les émissions de gaz à effet de serre et à accroître la résilience climatique.
- Administrer des programmes de subventions à l'appui des priorités gouvernementales.
- Respecter et préserver l'honneur de la Couronne pour ce qui est des droits des Autochtones et de la réconciliation des relations avec ces peuples.

Le ministre est également responsable des entités suivantes :

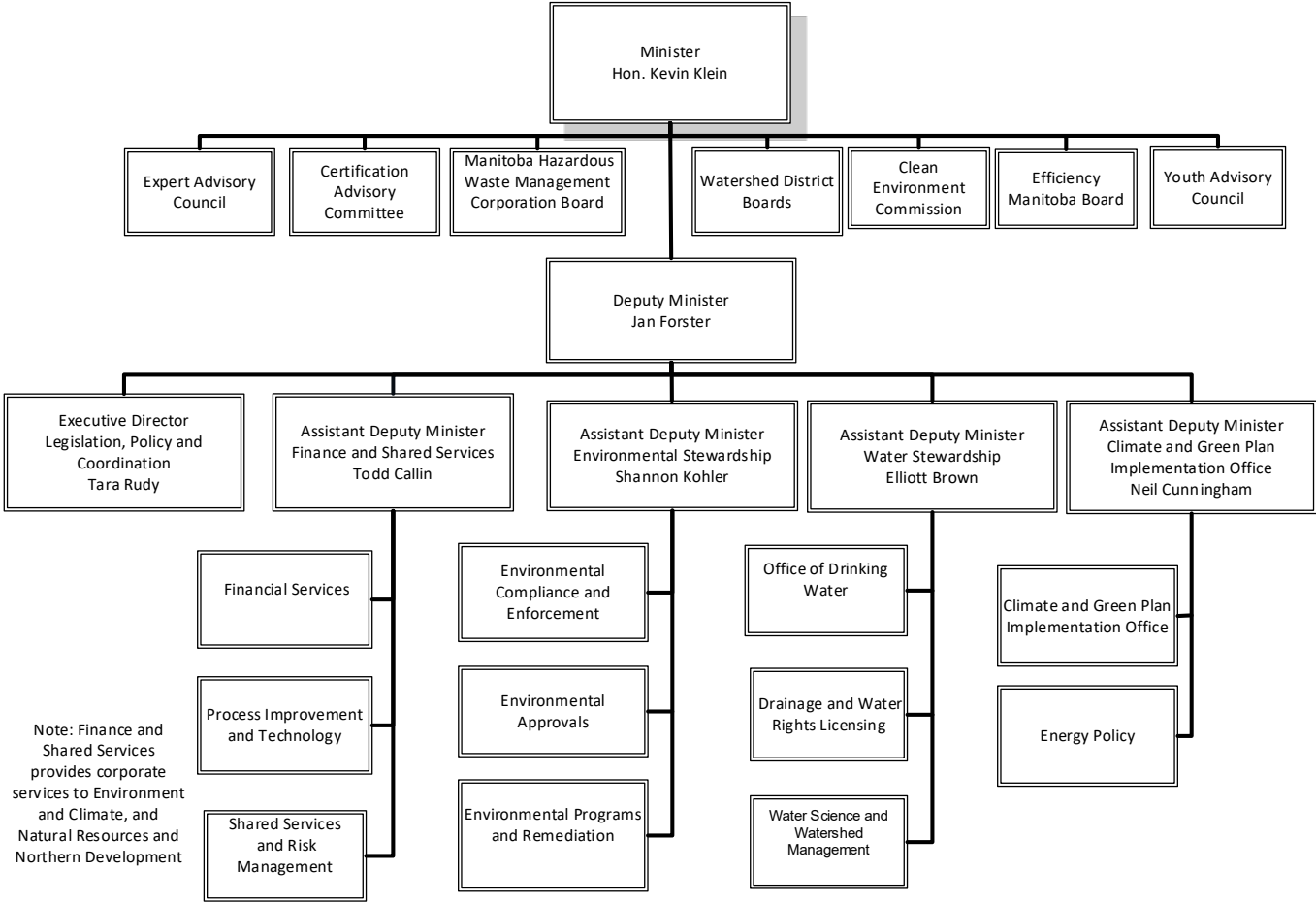
- Efficacité Manitoba
- Conseil d'administration de la Corporation manitobaine de gestion des déchets dangereux
- Comité consultatif d'accréditation
- Commission de protection de l'environnement
- Conseil consultatif d'experts
- Conseil consultatif de la jeunesse
- Conseils de district hydrographique

Services partagés du ministère

Regroupant la Direction de l'amélioration du processus et des technologies, la Direction des services partagés et de la gestion des risques et la Direction des services financiers, la Division des finances et des services partagés fournit des services de technologie de l'information et de consultation opérationnelle, des services de gestion des risques et une direction financière et administrative au ministère. Inscrite au budget du ministère de l'Environnement et du Climat, cette division offre aussi des services partagés au ministère des Ressources naturelles et du Développement du Nord.

Organizational Structure

Department of Environment and Climate as of March 31, 2023



2022/23 Key Achievement Highlights

During the fiscal year, the Department of Environment and Climate accomplished the following:

- Released Manitoba's Water Management Strategy Framework in November 2022 following an extensive whole-of-government development and engagement process. The first of its kind in more than two decades, this strategy aims to meet the diverse water needs of Manitobans and set the stage for future work and decision-making on water for the coming decade and beyond.
- Passed legislation amending The Environment Act to give Manitobans the choice to be able to purchase and use cosmetic pesticides already registered with Health Canada on their lawns. The legislation, which came into effect in November 2022, protects children and pets while keeping communities safe and minimizing environmental impact.
- Completed two large scale multi-year remediation projects at the former Ruttan (\$45M) and Sherridon (\$51M) mine sites and launched a new multi-year program to ensure the long-term care and maintenance of infrastructure investments at over 30 mine sites.
- Established a new Carbon Saving Account Goal for Manitoba for the five year period of 2023 to 2027 of 5.6 megatonne cumulative reduction of greenhouse gas emissions based on the recommendations of the Expert Advisory Council.
- Successfully implemented six of 18 recommendations from the Office of the Auditor General report 'Provincial Oversight of Drinking Water Safety' with significant work underway on the remaining 12 recommendations with other departments.
- Established a new cohort of the Youth Advisory Council in February 2023. The Youth Advisory Council assists the Expert Advisory Council with their mandate on Green Economic Transition and advises the Expert Advisory Council on how to communicate Manitoba's Carbon Savings Account with young Manitobans.
- Initiated a multi-year project to develop a new approach to water power licensing in Manitoba that is more efficient, addresses the ongoing environmental concerns associated with legacy developments, and advances Reconciliation.
- Developed a new risk-based approach to conducting environmental compliance and enforcement activities aimed to result in stronger protection of public health and the environment.
- Rescinded 19 long-term boil water advisories that were in effect for longer than one year, including seven that had been in effect for five years or more.
- Continued to work with other provincial departments, municipalities, federal government, and Indigenous governments and communities to explore ways to improve the reliability and overall safety of drinking water in communities.
- Implemented over 125 government-wide initiatives to reduce emissions and become more resilient to climate change, thus making significant progress on the Climate and Green Plan. This is an increase from last year's 115 initiatives.
- Delivered the Efficient Trucking Program to 366 successful applicants that led to the installation of fuel saving devices on 1,934 trucks and 1,693 trailers (total 3,627 units). This amounted to over 25,000 tonnes

of reduced emissions, with over 121,000 tonnes expected by 2030. Due to its success, the program was extended for another year.

- Delivered \$1.5M for nine projects from the Conservation and Climate Fund, including innovation and cleantech, conservation, water quality, circular economy development, and sector emissions reductions.
- Efficiency Manitoba launched new offers including an air-source heat pump program, solar rebate program, residential and commercial deep retrofits, and energy efficiency educational program (GenerationE). Efficiency Manitoba made over 40 programs available for Manitobans across residential, income-based, Indigenous, commercial, industrial, and agricultural customer segments.

Principales réalisations en 2022-2023

Au cours de l'exercice, le ministère de l'Environnement et du Climat a accompli les réalisations suivantes.

- Publication du cadre de la Stratégie manitobaine de gestion de l'eau en novembre 2022, à la suite d'un vaste processus pangouvernemental d'élaboration et de mobilisation. Première du genre depuis plus de 20 ans, cette stratégie vise à répondre aux divers besoins en eau de la population manitobaine et à préparer le terrain pour les travaux à venir et les futures décisions concernant les ressources hydriques pour les dix prochaines années et au-delà.
- Adoption de la Loi modifiant la Loi sur l'environnement (restrictions applicables aux pesticides) pour donner aux Manitobains la possibilité d'acheter et d'utiliser des pesticides déjà homologués par Santé Canada sur leurs pelouses à des fins esthétiques. Sanctionnée en novembre 2022, la nouvelle loi protège les enfants, les animaux de compagnie et les collectivités, tout en réduisant l'incidence environnementale des pesticides.
- Achèvement de deux projets pluriannuels de remise en état à grande échelle des anciennes mines de Ruttan (45 millions de dollars) et de Sherridon (51 millions de dollars), et lancement d'un nouveau programme pluriannuel d'investissements dans la surveillance et l'entretien à long terme des infrastructures de plus de 30 sites miniers.
- Établissement d'un nouvel objectif quinquennal (2023-2027) de 5,6 mégatonnes de réductions cumulatives des émissions de gaz à effet de serre pour le compte d'épargne carbone du Manitoba, suivant les recommandations du conseil consultatif d'experts.
- Mise en œuvre réussie de six des 18 recommandations du rapport du Bureau du vérificateur général intitulé Surveillance provinciale de la salubrité de l'eau potable. D'importants travaux sont en cours avec d'autres ministères pour donner suite aux 12 autres recommandations.
- Établissement, en février 2023, d'une nouvelle cohorte du Conseil consultatif de la jeunesse. Le Conseil consultatif de la jeunesse aide le conseil consultatif d'experts à donner suite à son mandat relativement à la transition vers des économies écologiques et à communiquer avec les jeunes Manitobains au sujet du compte d'épargne carbone du Manitoba.
- Lancement d'un projet pluriannuel pour élaborer une nouvelle approche en matière de délivrance de licences aux fins de la production d'énergie hydraulique au Manitoba qui est plus efficace, qui répond aux préoccupations environnementales actuelles liées aux aménagements antérieurs et qui favorise la réconciliation
- Élaboration d'une nouvelle approche fondée sur le risque pour mener des activités de conformité et d'application des dispositions environnementales des lois, qui se traduira par une protection accrue de la santé publique et de l'environnement.
- Levée de 19 avis d'ébullition de l'eau à long terme qui étaient en vigueur depuis plus d'un an, dont sept qui avaient cours depuis au moins cinq ans.
- Poursuite des travaux avec d'autres ministères provinciaux, des municipalités, le gouvernement fédéral et des administrations et collectivités autochtones pour explorer des moyens d'améliorer la fiabilité et la salubrité globale de l'eau potable distribuée à la population.
- Mise en œuvre de 125 initiatives pangouvernementales pour réduire les émissions de gaz à effet de serre et améliorer la résilience face au changement climatique, permettant ainsi de faire avancer de façon

notable le Plan vert et climatique. Il s'agit d'une augmentation par rapport aux 115 initiatives de l'année dernière.

- Sélection de 366 candidats qui ont pu faire installer des dispositifs d'économie de carburant, financés par le Programme d'efficacité énergétique pour le camionnage, sur 1 934 camions et 1 693 remorques (pour un total de 3 627 unités). Cette mesure a permis de réduire les émissions de l'ordre de plus de 25 000 tonnes de gaz à effet de serre et devrait permettre d'en éliminer plus de 121 000 tonnes supplémentaires d'ici 2030. En raison de son succès, le programme a été prolongé d'un an.
- Octroi de 1,5 million de dollars du Fonds pour la conservation et le climat à neuf projets portant notamment sur l'innovation et les technologies propres, la conservation, la qualité de l'eau, le déploiement de l'économie circulaire et la réduction des émissions d'origine industrielle.
- Lancement, par Efficacité Manitoba, de nouvelles offres, notamment un programme de thermopompes à air, un programme de remise pour l'installation de panneaux solaires, une aide pour les rénovations majeures résidentielles et commerciales et un programme éducatif sur l'efficacité énergétique (Génération E). Efficacité Manitoba offre plus de 40 programmes à la population manitobaine dans les segments de la clientèle résidentielle, autochtone, commerciale, industrielle et agricole et de la clientèle considérée sur la base de son revenu.
- Publication du cadre de la Stratégie manitobaine de gestion de l'eau en novembre 2022, à la suite d'un vaste processus pangouvernemental d'élaboration et de mobilisation. Première du genre depuis plus de 20 ans, cette stratégie vise à répondre aux divers besoins en eau de la population manitobaine et à préparer le terrain pour les travaux à venir et les futures décisions concernant les ressources hydriques pour les dix prochaines années et au-delà.

Department Strategy Map

The department strategy map lists the four Government-wide priority areas: Quality of Life, Working Smarter, Public Service, and Value for Money, with the department's objectives listed under each priority.

The Annual Report includes progress on advancing priorities and objectives outlined in the 2022/23 Supplement to the Estimates of Expenditures and are described in further details following the strategy map.

Vision

A healthy and resilient natural environment and economy where current and future generations will prosper.

Mission

To be leaders in environmental stewardship while supporting sustainable development for all Manitobans and our communities.

Values

- **Responsive** – A responsive workforce serves both our internal and external clients with a sense of urgency grounded in mutual respect. We recognize the importance of timely, solutions focused service to these clients in building public confidence and trust.
- **Collaborative** – We recognize the value of hearing and respecting one another's perspectives and strive to integrate our work with others through partnerships and relationships that recognize the value this diversity provides. By working together openly through respectful dialogue we build trust, understanding and commitment. We work across government, leveraging our collective abilities and knowledge to serve Manitobans effectively and efficiently.
- **Accountable** – Being accountable means taking responsibility for decisions and actions. It also means being answerable by using good judgment to make decisions and being transparent as to how decisions are made.
- **Respectful** – We respect our role as public servants in delivering the government's mandate and the impact our day-to-day decisions have on the clients we serve. We conduct our work with respect for diverse perspectives and disciplines, recognizing the value this diversity brings. We are inclusive of all abilities, genders, sexual orientations, ethnicities, and design our programs and services for all Manitobans. We are committed to reconciling our relationship with Indigenous Peoples.
- **Integrated** – We use a whole-of-government approach, working across our department and with other departments to provide efficient and balanced programs, services, and advice.
- **Dynamic** – An engaged workforce strives for innovative approaches, takes initiative, and consistently adopts a flexible, adaptive mindset to problem-solving, program delivery, and client service. We proactively identify issues, assess impacts, and adapt our approaches to meet the needs of our clients and the needs of our environment.

Department Balanced Scorecards Priorities and Objectives

Quality of Life – Improving Outcomes for Manitobans

1. Advance Truth and Reconciliation*
2. Sustain Manitoba's Unparalleled Natural Environment
3. Enhance Public and Stakeholder Trust

Working Smarter – Delivering Client-Centred Services

4. Reduce Red Tape
5. Be Transparent

Public Service – Delivering Client-Service Excellence

6. Advance Inclusion
7. Strengthen Respect in Our Workplace
8. Demonstrate Excellence
9. Build Our Capacity to Execute

Value For Money – Protecting Manitoba's Bottom Line

10. Provide Value for Money
11. Balance the Budget

* "Truth" has been added to the original objective titled "Advance Reconciliation".

"There is no Reconciliation without the Truth. If you ever see Reconciliation on its own without Truth, let people know that they need the Truth before there is Reconciliation."

- As told to Helen Robinson-Settee by the Late Dr. Donald Robertson, Elder, Indigenous Inclusion Directorate Advisory Council, Manitoba Education and Early Childhood Learning.

Schéma stratégique ministériel

Le schéma stratégique ministériel dresse la liste des quatre domaines prioritaires du gouvernement (qualité de vie, gestion plus ingénieuse, fonction publique, optimisation des ressources), les objectifs du ministère étant répertoriés sous chacune de ces priorités.

Le rapport annuel rend compte des progrès réalisés dans l'avancement des priorités et des objectifs qui sont présentés dans le budget complémentaire de 2022-2023 et décrits plus en détail à la suite de ce schéma.

Vision

Une économie et un environnement sains et résilients où prospéreront les générations actuelles et futures.

Mission

Être un chef de file en gestion environnementale tout en appuyant le développement durable pour toute la population manitobaine et nos collectivités.

Valeurs

- **Souplesse** – Un effectif souple offre des services à notre clientèle interne et externe avec un empressement fondé sur le respect mutuel. Nous reconnaissons l'importance d'offrir à ces clients un service rapide axé sur la recherche de solutions afin de renforcer la confiance du public.
- **Collaboration** – Nous reconnaissons la valeur de l'écoute et du respect des divers points de vue et nous nous efforçons de travailler avec les gens en établissant des partenariats et des relations qui reconnaissent la valeur de cette diversité. En collaborant les uns avec les autres de manière ouverte grâce à un dialogue respectueux, nous renforçons la confiance, la compréhension et la mobilisation. Nous travaillons à l'échelle pangouvernementale en utilisant nos habiletés et nos connaissances collectives pour offrir nos services avec efficacité et efficience à la population manitobaine.
- **Obligation redditionnelle** – En rendant des comptes, nous assumons la responsabilité de nos décisions et de nos actions. Cette obligation que nous nous imposons signifie également que nous devons faire preuve d'un bon jugement lorsque nous prenons des décisions, d'une part, et de transparence dans la façon dont ces décisions sont prises, d'autre part.
- **Respect** – Nous respectons le rôle que nous jouons comme fonctionnaires dans l'exécution du mandat du gouvernement et sommes conscients des répercussions de nos décisions quotidiennes sur notre clientèle. Reconnaisant la valeur de la diversité, nous travaillons dans le respect des diverses perspectives et disciplines. Nous incluons tous les genres et toutes les habiletés, orientations sexuelles et ethnicités, et nous concevons nos programmes et nos services pour toute la population manitobaine. Nous avons pris un engagement à l'endroit de la réconciliation avec les Autochtones.
- **Intégration** – Nous utilisons une approche pangouvernementale, en travaillant à l'échelle du ministère et avec d'autres ministères pour donner des conseils avisés et offrir des programmes et des services efficaces et équilibrés.

- **Dynamisme** – Un effectif mobilisé continue de chercher des approches novatrices, prend des initiatives et adopte toujours un état d’esprit adaptatif et souple pour résoudre les problèmes, mettre en œuvre les programmes et servir la clientèle. Nous cernons les problèmes de manière proactive, en évaluons les répercussions et adaptons nos approches pour répondre aux besoins de notre clientèle et de notre environnement.

Priorités et objectifs des tableaux de bord équilibrés ministériels

Qualité de vie – Améliorer les résultats pour les Manitobains

1. Faire progresser la vérité et la réconciliation*
2. Assurer la durabilité de l’environnement naturel exceptionnel du Manitoba
3. Renforcer la confiance du public et des parties prenantes

Gestion plus ingénieuse – Fournir des services axés sur le client

4. Réduire la bureaucratie
5. Faire preuve de transparence

Fonction publique – Offrir un service à la clientèle d’excellence

6. Favoriser l’inclusion
7. Renforcer le respect dans nos milieux de travail
8. Faire preuve d’excellence
9. Renforcer notre capacité d’exécution

Optimisation des ressources – Protéger les résultats financiers du Manitoba

10. Dépenser judicieusement
11. Équilibrer le budget

* Ajout de « vérité » à l’objectif original intitulé « Faire progresser la réconciliation ».

« Sans la vérité, il n’y a pas de réconciliation possible. S’il est question de réconciliation seulement sans la vérité, dites qu’il faut connaître la vérité avant de parler de réconciliation. »

- Propos confiés à Helen Robinson-Settee par le regretté Donald Robertson, Aîné, Conseil consultatif de la Direction générale de l’inclusion des Autochtones, Éducation et Apprentissage de la petite enfance Manitoba.

Department Balanced Scorecards Priorities and Objectives - Details

The following section provides information on key performance measures for Environment and Climate for the 2022/23 reporting year. All Manitoba government departments include a performance measurement section in a standardized format in their annual reports.

Performance indicators in Manitoba government annual reports are intended to complement financial results and provide Manitobans with meaningful and useful information about government activities and their impact on the province and its citizens.

Quality of Life – Improving Outcomes for Manitobans

1. Advance Truth and Reconciliation

Key Initiatives

- Released Manitoba's new provincial Water Management Strategy that includes a commitment to advance Indigenous inclusion in water management and three strategic objectives setting a path forward for future action.
- Initiated a multi-year project to develop a new approach to water power licensing in Manitoba that is more efficient, addresses the ongoing environmental concerns associated with legacy developments, and advances reconciliation.
- Delivered several training webinars for drinking water system operators in Indigenous communities in partnership with the department of Indigenous Reconciliation and Northern Relations on licence requirements, emergency reporting, proper sampling techniques, and water treatment principles. The goal was to improve regulatory compliance and reduce the duration and occurrence of boil water advisories in Indigenous communities.
- Worked with other provincial departments, municipalities, the federal government, and Indigenous governments and communities to explore ways to improve the reliability and overall safety of drinking water. Pilot projects in northern Manitoba improved access to timely bacteriological testing through portable laboratories to reduce delays in shipping water samples from remote communities and enhance their capacity to ensure water supply safety.
- Continued to engage with Indigenous communities impacted by orphaned and abandoned mine sites and contaminated sites. The department facilitated information sharing, monitoring of real time test results, provided project updates, and sought input on current and future remediation work planned.

- Continued to engage with Indigenous communities to support the development of many initiatives including energy, adaptation, and climate resilience. Through six Indigenous engagement events, 125 participants from 26 First Nation communities in Manitoba gained a better understanding of how a changing climate impacts their community and livelihood, and what information and other resources are needed to be more prepared for future changes.
- The Orphaned and Abandoned Mines program partnered with Gods Lake First Nation to complete the first phase of the Kenuchewan Rapids clean-up and remediation project.

Performance Measures

Measure	Baseline	2021/22 Actual	2022/23 Target	2022/23 Actual
1.a Increase the percentage of staff trained in Indigenous relations, Truth and Reconciliation	25%	-	50%	25%

1.a Increase the percentage of staff trained in Indigenous relations, Truth and Reconciliation

This measure tracks the percentage of department staff who are actively participating each year in formal or informal training on the principles of Reconciliation. By participating in relevant training, public servants will be better equipped to build relationships with Indigenous Elders, leaders, and communities that help to advance Reconciliation. The baseline year is 2021/22. Data presented for 2022/23 does not reflect total staff participation in training and the actual percentage is expected to be much higher. Additional staff participated in other training sessions, including an internal reconciliation training series, which are not included in the total due to incomplete data. This is the final year for this performance measure. The department will report on the new government-wide measure in 2023/24: “Per cent completion of Reconciliation training”, to capture the percentage of department employees that have completed mandatory training in support of Truth and Reconciliation. The department has also introduced another measure, “Number of engagements to advance reconciliation,” to reflect the department’s efforts.

2. Sustain Manitoba’s Unparalleled Natural Environment

Key Initiatives

- Unveiled the new Water Management Strategy to guide future actions, decisions, and investments to protect the province’s water resources and ecosystems while sustainably growing the economy and communities.
- Continued to collaborate with industry and communities to shift residential blue bin recycling programs to a fully industry-funded model, aiming to modernize Manitoba’s waste diversion and recycling framework, promote a circular economy, and boost waste diversion rates.
- Provided more than \$8.7M for waste diversion initiatives, including \$120K to support new initiatives to increase organic and plastic waste diversion. Manitoba’s Extended Producer Responsibility programs divert over 124,000 tonnes of waste from landfills annually.
- Administered 20 multi-year site remediation contracts and completed work on two large scale multi-year remediation projects at the former Ruttan (\$45M) and Sherridon (\$51M) mine sites. A new multi-year

sub-program was launched to advance the long-term care and maintenance of mine sites and to support the implementation of a robust action plan to further accelerate remediation.

- Responded to 605 environmental incidents through the Emergency Response Team in accordance with existing Canada-Manitoba mutual agreements and the provincial Environmental Emergencies Coordination Plan. This includes the delivery of the 24-hour provincial reporting line for environmental emergencies.
- Continued to monitor and regulate the City of Winnipeg's Environment Act licences for the North End Pollution Control Centre, South End Pollution Control Centre, and combined sewer overflows.
- Continued improvements to the air quality program to maintain high quality data, improve reporting, and support decision-making around outdoor activities.
- Passed legislation to give Manitobans the choice to be able to purchase and use cosmetic pesticides already registered with Health Canada on their lawns.
- Set a new Carbon Saving Account Goal for Manitoba for the period 2023-2027 of 5.6 megatonne cumulative greenhouse gas reduction based on the recommendation of the Expert Advisory Council.
- Implemented a number of emission reduction initiatives such as the Efficiency Trucking Program, which received 366 successful requests consisting of 1,934 trucks and 1,693 trailers to install fuel-saving devices, resulting in a reduction of over 25,000 tonnes of emissions.
- Funded nine projects from the Conservation and Climate Fund in areas related to innovation and clean tech, conservation, water quality, circular economy development, and sector emissions reductions.
- Partnered with Urban Systems to conduct an analysis of zero emission vehicle mapping needs for Manitoba, with a contribution of \$150.0K to Eco-West supporting electric vehicle charging station installation in rural municipalities, and a contribution of \$70.0K for a Southeast Transit Study to determine the transportation needs of rural communities.
- Advanced a number of adaptation initiatives to reduce the impacts of current and future climate events, including work with government departments on vulnerability and risk assessments. The department also coordinated climate resilience training for municipalities through ClimateWest and the Manitoba Climate Resilience Training Project.
- Partnered with ClimateWest, with the other prairie provinces and federal partners, to provide climate data and adaptation services to help people, communities, businesses, and governments identify and address the risks and vulnerabilities of a changing climate.
- Efficiency Manitoba initiated several more offers in 2022/23 including air-source heat pump program, solar rebate program, residential and commercial deep retrofits, and energy efficiency educational program (GenerationE). This is in addition to the nine new programs and offers rolled out in 2021/22, including the innovation fund and the windows and doors rebate.

Performance Measures

Measure	Baseline	2021/22 Actual	2022/23 Target	2022/23 Actual
2.a Increase rate of materials diverted as a per cent of total waste collected	16%	18%	20%	18%
2.b Increase the percentage of the department's buildings added to the Portfolio Manager or RETScreen to track greenhouse gas emissions	0%	-	50%	0%
2.c Successfully address environmental emergencies	99%	-	98%	99%
2.d Monitor, protect and improve water quantity and quality in Manitoba	86	87	80	83

2.a Increase the rate of materials diverted as a per cent of total waste collected

This measure tracks data on efforts to redirect waste from landfills, with a view to lessen solid waste accumulation and enhance recycling, reuse, and recovery, which benefits the environment. The measurement is based on percentage of waste diverted to total waste generated. The baseline year is 2016/17. The waste diversion rate in 2022/23 is consistent with 2021/22 and reflects ongoing efforts to increase waste diversion and recycling across the province. The department is continuing to make strides toward achieving its target in 2023/24.

2.b Increase the percentage of the department's buildings added to Portfolio Manager or RETScreen Clean Energy Management Software platforms to track greenhouse gas emissions

The department is committed to tracking greenhouse gas emissions from its buildings through monitoring of building-related energy and water usage over time. The objective is to identify the poorly performing buildings under the department's portfolio, and evaluate cost-effective opportunities to reduce energy, water use, and building-related greenhouse gas emissions, with a view to lessen environmental footprints. The baseline year is 2022/23. The department did not meet its target in 2022/23 due to changes in plans for implementation across government. The department's importation into RETScreen is scheduled for 2023/24.

2.c Successfully address a high percentage of environmental emergencies

The Environmental Compliance and Enforcement branch responds to environmental incidents and complaints in a prompt and effective manner to prevent or minimize impacts of pollutants and contaminants on human health and the environment. Reporting such incidents is required by both federal and provincial legislation. This measure tracks the percentage of significant environmental incidents reported to the program that have been successfully addressed. Incidents considered to be successfully addressed are those for which the immediate emergency have been mitigated, remedial activities are complete, and/or the issues have been turned over to the contaminated sites program or other longer term management processes. The measure is calculated as a percentage of successfully actioned cases to the total number of calls requiring responses. 2022/23 was used to collect data and establish a baseline. The department achieved its target in 2022/23 by successfully addressing 99% of the incidents.

2.d Monitor, protect, and improve water quality and quantity in Manitoba

Using the Canadian Council of Ministers of the Environment Water Quality Index, the department assesses water quality in the province for drinking, fish and other aquatic life, recreation, and additional important water uses. Index results are based on water quality monitoring at 36 stations. A range of 0 to 100 is used based on a combination of three factors, including the number of variables whose objectives are not met (scope), the frequency with which the objectives are not met (frequency), and the amount by which the objectives are not met (amplitude). The index is used to rank water quality: Excellent (95-100), Good (80-94), Fair (65-79) Marginal (45-64), and Poor (0-44). The baseline year is 2018. In 2022, the average Water Quality Index in the province remained in the “good” range with an overall score of 83, meaning that the water quality is stable.

3. Enhance Public and Stakeholder Trust

Key Initiatives

- Led a public engagement to review Manitoba’s industry-run recycling programs. This engagement provided the public and key stakeholders with an opportunity to offer feedback on Manitoba’s recycling programs and identify opportunities to enhance programming to increase waste diversion.
- Led a public engagement on a plan to create a fully industry-funded model for recycling residential blue bin material (such as packaging and printed paper) in Manitoba.
- Engaged hundreds of Manitobans throughout development of the water management strategy to discuss challenges, issues, priorities, and needs. This included administering a survey on the EngageMB platform with 450 participants sharing more than 100 ideas.
- Implemented six of the 18 recommendations made by the Office of the Auditor General to provide more confidence in Manitobans’ drinking water supplies. These changes focused on improving licensing processes, strengthening water system inspections, and modernizing progressive enforcement policies. The department also made progress on implementation of the remaining recommendations in accordance with its multi-year whole-of-government plan.

Performance Measures

Measure	Baseline	2021/22 Actual	2022/23 Target	2022/23 Actual
3.a Maintain a high percentage of barrier-free public requests (up-to-date links, information, and contact details)	-	-	98%	99.5%

3.a Maintain a high percentage of barrier-free public requests (up-to-date links, information, and contact details)

This measure tracks the number of public requests for which department staff have ready access to the information needed to provide a response to the inquiry. Maintaining updated contacts and links to the public facing website provides access to the public with information related to the department and ensures customer service staff have ready access to information. 2022/23 was used to collect data and establish a baseline. The department responded to 18,009 phone calls in 2022/23 and achieved a response success of 99.5%. This is the final year for this performance measure. It was discontinued due to a new measure introduced in 2023/24, “Number of public engagements”, that better aligns to the department’s objective.

Working Smarter – Delivering Client-Centred Services

4. Reduce Red tape

Key Initiatives

- **Red Tape Reduction:** Red tape reduction aims to remove regulatory requirements that are no longer achieving desired outcomes, or are doing so in an inefficient manner. Regulatory requirements that result in red tape may be unclear, overly prescriptive, poorly designed, redundant, contradictory, or antiquated. Not all regulatory requirements create red tape.
- Furthered the department’s approach to analyzing existing operations and expanded a continuous improvement practice across the organization to realize productivity efficiencies and improve client-centered services. Department business practices and processes were reviewed and redefined to produce priority aligned deliverables with less red-tape.
- Introduced four streamlined e-forms related to the Onsite Wastewater Management Systems Program and Petroleum Storage Program to reduce red tape for clients, improve client service, and support transformation.
- Launched a review of the environmental licensing process for improvement opportunities to enhance environmental protections and improve client experience.
- Launched a construction, renovation, and demolition waste task force in partnership with industry associations and other key stakeholders. The task force will explore options to increase diversion of construction, renovation, and demolition waste from landfills, reduce greenhouse gas emissions, promote a circular economy, and reduce regulatory requirements.

Performance Measures

Measure	Baseline	2021/22 Actual	2022/23 Target	2022/23 Actual
4a. Per cent reduction in regulatory requirements	0.0%	0.0%	2.5%	0.01%
4b. Increase the number of processes improved	0	6	4	12
4c. Increase the percentage of drainage applications received complete	-	-	-	41%

4.a Per cent reduction in regulatory requirements

This measure accounts for the per cent reduction of regulatory requirements undertaken by the department in a fiscal year. In the fiscal year 2022/23, the department achieved a reduction of 0.01 per cent. The total number of regulatory requirements accounted for by the department at the end of 2022/23 was 67,412. The baseline resets to zero at the beginning of every fiscal year, and the target of a 2.5 per cent reduction is applied. See Regulatory Accountability and Red Tape Reduction in this report for further detail.

4.b Increase the number of processes improved

This measure tracks the number of internal processes that are reviewed and improved as needed through Lean or other transformation initiatives. Reviewing and rationalizing processes helps reduce red tape by identifying efficiencies that support improved service delivery and foster innovative new ways of conducting work to benefit citizens. The baseline year is 2021/22. The department exceeded its target, undertaking eight more internal process reviews than planned. This is the final year for this performance measure. The department will continue to track improvements to its internal processes through the measure, “Number of internal processes improved”.

4.c Increase the percentage of drainage applications received complete

This measure helps the Drainage and Water Rights Licensing branch assess the effectiveness of its efforts to clearly communicate the requirements for drainage applications. Minimizing missing information significantly helps the branch meet its 14-day standard for approving drainage registrations and enables applicants to proceed with important, low-risk water management work in a timely fashion. This measure was introduced in 2022/23 to collect data to establish a baseline. This is the final year for this performance measure. A new measure was introduced in 2023/24, “Reduce time to issue environmental licence” that better aligns with the department’s objectives and planned actions for internal process improvements in 2023/24.

5. Be Transparent

Key Initiatives

- Offered financial support to schools and child care centres, in partnership with the Manitoba Environmental Industries Association, to implement revised lead standards for drinking water and the Office of the Auditor General recommendations. Over 80 per cent of Manitoba public schools completed lead tests with nearly 65 per cent meeting standards post-testing or mitigation.
- Launched a new online public registry and interactive map of contaminated and impacted sites in Manitoba. This allows the public to access information about the presence and status of these sites as well as remediation activities in their communities and throughout Manitoba.
- Added 432 documents to the department’s public registry to ensure public transparency on environmental approvals and environmental licensing decisions for developments.
- Initiated digitalization of legacy water control works files and scanned into searchable files. This initiative allows efficient access to information previously not easily available, improves licensing decisions, and better meets client needs.
- Prepared the 2021/22 annual report for the Watershed Districts Program.
- Released the 2020/21 Climate and Green Plan annual report, highlighting 115 cross-government initiatives and undertook significant work to redesign the Climate and Green Plan website with accessible information and regular updates on progress in achieving the goals of the Made-in-Manitoba Climate and Green Plan.
- Established a new cohort of the Youth Advisory Council in February 2023 to advise the Expert Advisory Council and better engage youth and all Manitobans on climate change mitigation and adaptation. The youth council is comprised of 11 members, ages 16 to 28, from seven communities across the province: Swan River, Morden, St-Pierre-Jolys, Dacotah, Narol, Brandon, and Winnipeg.

Performance Measures

Measure	Baseline	2021/22 Actual	2022/23 Target	2022/23 Actual
5a. Increase the number of new and updated documents shared online	26	-	15	26
5b. Turnaround time to advertise Environment Act and Dangerous Goods Handling and Transportation Act development proposals in local media	-	-	100%	84%

5.a Increase the number of new or updated items shared online

This measure tracks the number of new and updated documents shared online, other than those posted to the department’s public registry. Guides and process documents provide transparency and predictability for members of the public accessing department services or applying for licences. 2022/23 was used to collect data and establish a baseline for this measure. In 2022/23, the department exceeded its target number of new and updated documents shared online. This is the final year for this performance measure. It was replaced with a new measure “Number of public engagements” in 2023/24 to align with the department’s objective to “Improve Public and Stakeholder Transparency, Communication, and Engagement”.

5.b Turn around time to advertise Environment Act and Dangerous Goods Handling and Transportation Act development proposals in local media

This measure focuses on the time from when the branch receives a complete proposal to when the proposal has been advertised in the online public registry and Manitoba Gazette, or local newspapers, as per legal requirements under The Environment Act and The Dangerous Goods Handling and Transportation Act. This measure addresses public transparency, as once the information is posted, the public has access to information related to proposed developments and can provide input into the environmental assessment and licensing process. 2022/23 was used to collect data and establish a baseline for this measure. The department successfully advertised 84% of The Environment Act and The Dangerous Goods Handling and Transportation Act development proposals in local media within 40 business days of their submission. This measure does not include the documents posted to the department’s public registry. This is the final year for this performance measure. The department will continue to “Deliver Client-Centred Services” through a new measure “Reduce time to issue environmental licence” in 2023/24.

Public Service – Delivering Client-Service Excellence

6. Advance Inclusion

Key Initiatives

- Supported an active Diversity, Inclusion, and Accessibility Steering Committee to promote the awareness of the value of diversity within the department.
- The Diversity, Inclusion, and Accessibility Steering Committee members participated in Mental Health Awareness First Aid training from St. John’s Ambulance.
- Promoted the International Day for Persons with Disabilities on December 15, 2022, by communicating requirements identified in the Manitoba Government Accessibility Plan to department staff.

Performance Measures

Measure	Baseline	2021/22 Actual	2022/23 Target	2022/23 Actual
6a. Percentage of department employees who have completed mandatory diversity and inclusion training	94.3%	-	90%	94.3%

6.a Percentage of department employees who have completed mandatory diversity and inclusion training

This measure is reflective of the department's commitment towards educating staff on the values of diversity and inclusion. It captures the percentage of department employees who completed mandatory diversity and inclusion training offered through the Public Service Commission. This measure does not include other training employees undertook on their own accord. It is assumed that employees will implement course learning through their work, supporting inclusive workplaces. 2022/23 was used to collect data and establish a baseline. In 2022/23, the department exceeded its target for staff completion of the training. Data for this measure is from March 31, 2023, and may not reflect the current department composition.

7. Strengthen Respect in Our Workplaces

Key Initiatives

- The Diversity, Inclusion, and Accessibility Steering Committee hosted three series of Respectful Workplace webinars, in collaboration with Public Service Commission, on witnessing workplace incidents, and the roles and responsibilities of bystanders in the workplace. A total 296 staff from Environment and Climate and Natural Resources and Northern Development attended the webinars.

Performance Measures

Measure	Baseline	2021/22 Actual	2022/23 Target	2022/23 Actual
7a. Percentage of department employees who have completed mandatory respectful workplace training	78%	-	90%	78%

7.a Percentage of department employees who have completed mandatory respectful workplace training

This measure captures the percentage of department employees that have completed the mandatory respectful workplace training offered through the Public Service Commission: “Building Respectful Workplaces: Foundations.” It does not include other respectful workplace training that public servants undertake on their own accord. Staff who participate in training will be equipped to apply their learnings in their day to day work and relationships, supporting inclusive and respectful workplaces. This measure was introduced in 2022/23 to collect data to establish a baseline and evaluate the target. In 2022/23, the department came close to achieving its target with 78% of employees completing the mandatory training and will continue to make efforts to reach the target in 2023/24. Data for this measure is from March 31, 2023 and may not reflect the current department composition.

8. Demonstrate Excellence

Key Initiatives

- Arranged learning events for all department staff to create a professional, well-trained, and forward-looking diverse public service in a multi-stakeholder environment imbued with a shared understanding of the department’s vision and priorities.
- Encouraged and reoriented employees to become more dynamic, efficient, and accountable for public service delivery built the values of integrity through a series of webinars and the Learning and Innovation Task Team’s quarterly newsletter.
- Continued to support staff’s initiatives to renovate and revitalize capacity through an enhanced use of the Learning Fund.
- Supported staff in-house pilot initiatives for organic materials and battery recycling with cooperation from non-profit organizations.

Performance Measures

Measure	Baseline	2021/22 Actual	2022/23 Target	2022/23 Actual
8a. Improve sustainable operations by supporting access of staff to sustainable choices	1	-	1	1

8.a Improve sustainable operations by supporting access of staff to sustainable choices

The Climate and Green Plan Implementation Office seeks to improve the environmental sustainability of government operations by creating one or more opportunities each year for department staff to support the legislated low carbon government operation mandate and circular economy objectives (e.g., office composting, increased access to active transportation options, sustainable goods procurement, and innovative technologies). This measure was introduced in 2022/23 to collect data to establish a baseline and evaluate the target. The department achieved its target in 2022/23, continuing steps to support staff’s sustainable choice actions. This is the final year for this performance measure. It was discontinued to emphasize the department’s focus on strengthening client facing service delivery.

9. Build Our Capacity to Execute

Key Initiatives

- Delivered professional development training, events, and tools to enhance staff strategic problem solving and critical thinking skills. This included delivery of learning events organized by the department’s Learning and Innovation Task Team, including Learn at Work Week, introduction to performance development conversations, publishing of two internal newsletters, and delivery of focused training sessions on letter writing and preparing authority seeking documents.
- Moved forward with implementing a performance development conversation program to ensure work expectations are met and that staff are equipped with the tools necessary to succeed in their roles.

Performance Measures

Measure	Baseline	2021/22 Actual	2022/23 Target	2022/23 Actual
9a. Increase per cent of staff using their project management training	-	-	90%	-
9b. Percentage of department employees with a current completed Performance Development Conversation Form	2.63%	-	60%	2.63%

9.a Increase the percentage of staff using their project management training

Building capacity and harnessing the talents of our diverse employees in an inclusive and respectful work environment is critical to ensuring that Manitoba’s public service is effective and responsive in meeting the complex needs of Manitobans. This measure was introduced in 2022/23 to collect data to establish a baseline and evaluate the target. Data are not available for 2023/24 due to limitations with departmental data collection capacity and processes. This is the final year for this performance measure. The department’s objective to ‘Build Our Capacity to Execute’ extends beyond project management training and will be captured by “Per cent completion of annual performance development conversations”.

9.b Percentage of department employees with a current completed Performance Development Conversation Form

The data available for this year is deemed partial due to the ongoing modernization efforts being undertaken in the performance development review process. The data will be reported in full in future years.

This measure tracks the percentage of department employees who have completed a formal Performance Development Conversation, including Probation/Assessment Reviews, with their supervisor each fiscal year. The Manitoba Public Service recognizes that employee performance directly impacts the quality of programs and services delivered to Manitobans. Effective performance development ensures that work expectations are met and that employees are provided with the tools necessary to support programs and services to meet the current and future needs of Manitobans. The target of 60 per cent is standard for all departments. Data for this measure is from March 31, 2023 and may not reflect the current department composition.

Value for Money – Protecting Manitoba’s Bottom Line

10. Provide Value for Money

Key Initiatives

- Continued to help foster value for money through the Watershed Districts Program and the districts’ efforts to leverage funds beyond their base grant from the department, including funds from other sources such as the Growing Outcomes in Watersheds (GROW) and Conservation Trusts.
- Advanced adaptation education and planning within the province to build resilience and identify cost-effective actions to help avoid future expenses of climate-related impacts.
- Explored opportunities to expand the Watershed Districts Program in partnership with municipalities and support watershed districts in their work to improve watershed health and build resilience to a changing climate, including expanding the Northeast Red Watershed District and further expanding the Pembina Valley and Redboine Watershed Districts.

Performance Measures

Measure	Baseline	2021/22 Actual	2022/23 Target	2022/23 Actual
10a. Work within the capital budget (actual as a per cent of budgeted)	98%	98%	90-100%	-
10b. Reduce the amount of paper printed	5,331	2,594	5,011	2,142
10c. Increase the return on investment ratio for watershed districts as compared to core operating grants provided by the Government of Manitoba	2.31	2.48	3.0	2.57

10.a Work within the capital budget (actual as a per cent of budgeted)

This measure demonstrates the department's ability to work within the voted Part B Capital budget, which indicates sound planning and investment in capital projects. It is calculated by expressing total actual capital expenditures as a percentage of the total capital budget. The baseline year is 2021/22. The Part B Capital budget was moved to Natural Resources and Northern Development as part of a department reorganization, therefore there is no data to report in 2022/23.

10.b Reduce the amount of paper printed

This measure collects data on the amount of paper used by department staff, which is a lead indicator for unnecessary paper-related operating expenditure. The measure identifies the per cent reduction in the number of packages of paper consumed by the department in a fiscal year, which will indicate an overall reduction in unnecessary paper usage. The baseline year is 2021/22. The target represents a 6 per cent reduction in reams of paper printed. The numbers in the table represent the number of reams of paper used. The actual reduction for 2022/23 represents a 60 per cent reduction in the amount of paper printed from the baseline, which is largely driven by a reduction in the size of the department due to reorganizations that have occurred since the baseline year. The 2022/23 actual represents a 17% year over year reduction from 2021/22, exceeding the 6% target. The department will reset its baseline to the 2022/23 actual in the future.

10.c Increase the return on investment ratio for Watershed Districts as compared to core operating grants provided by the Government of Manitoba

This measure tracks the return on investment ratio between the Watershed Districts core operating grant from the Government and other funding sources including municipal partners, provincial and federal grants, and non-governmental funding. Watershed Districts receive an annual core operating grant from the Government of Manitoba through the Watershed Districts and Planning Assistance Grant. Higher funding levels from the department result in increased spending at local businesses and additional local employment opportunities. It is calculated by dividing the total annual funding received by the watershed districts from all sources by the annual amount of the Watershed Districts and Planning Assistance Grant. The baseline year is 2019. Progress on increasing the return on investment ratio continued in 2022/23 from previous years and approached the department's target.

11. Balance the Budget

Key Initiatives

- Demonstrated success in managing spending within its operating budget while ensuring the department fulfills its mandate and delivers value for money.
- Expedited remediation efforts at orphaned and abandoned mine sites and contaminated sites, including administering 20 multi-year remediation contracts, leading to a projected \$21.7M reduction in Manitoba's environmental liabilities.

Performance Measures

Measure	Baseline	2021/22 Actual	2022/23 Target	2022/23 Actual
11a.Work within the operating budget (actual as percentage of budgeted)	96%	130%	90-100%	99%
11b.Reduce the value of environmental liabilities	7.19%	-	-	7.19%

11.a Work within the operating budget (actual as a per cent of budgeted)

This measure demonstrates the department's ability to work within its operating budget, thus helping the government meet its targets in support of fiscal responsibility. It is calculated by expressing total actual operating expenditures as a percentage of the total operating budget. The baseline year is 2021/22. With a rate of 99 per cent in 2022/23, the department demonstrated success in implementing targeted initiatives while ensuring fiscal responsibility.

11.b Reduce the value of environmental liabilities

By tracking the net change in value of the Environmental Liabilities Fund, the department demonstrates performance in its goal of reducing financial liability to the province. This measurement includes Orphaned and Abandoned Mine Sites as well as the department's Environmental Liability Contaminated Sites. The measure is calculated as the year over year per cent change. 2022/23 was used to collect data and establish a baseline for this measure. The value in the table represents a reduction. In 2022/23, the department was successful in reducing environmental liabilities by 7.19% from the previous fiscal year.

FINANCIAL DETAILS

Consolidated Actual Expenditures

This table includes the expenditures of the department and Other Reporting Entities (OREs) that are accountable to the Minister and aligns to the Summary Budget.

Environment and Climate includes the following OREs:

- Efficiency Manitoba
- Manitoba Hazardous Waste Management Corporation

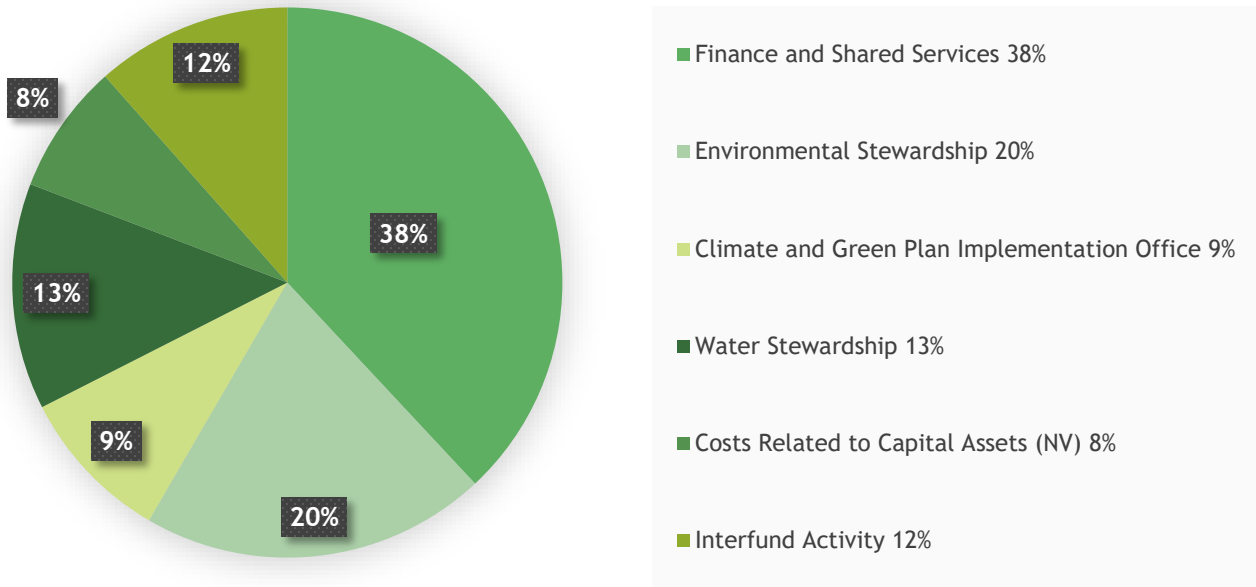
Consolidated Actual Expenditures

For the fiscal year ended March 31, 2023 with comparative figures for the previous fiscal year \$ (000s)

Main Appropriations	Part A - Operating	Other Reporting Entities	Consolidation and Other Adjustments	2022/23 Actual	2021/22 Actual
Finance and Shared Services	13,249	47,811	(10,392)	50,668	37,120
Environmental Stewardship	27,068	20	-	27,088	47,072
Climate and Green Plan Implementation Office	12,164	-	-	12,164	11,322
Water Stewardship	17,712	-	-	17,712	15,985
Costs Related to Capital Assets (NV)	9,876	329	-	10,205	10,427
Interfund Activity	-	-	15,339	15,339	5,000
TOTAL	80,069	48,160	4,947	133,176	126,926

NV – Non-voted expenditure

Percentage Distribution of Consolidated Actual Expenditures by Operating Appropriation, 2022/23, Actuals



Summary of Authority

Part A - Operating		2022/23 Authority \$ (000s)
2022/23 MAIN ESTIMATES - PART A		89,605
Allocation of funds from: - Environment and Climate		14,746
	Subtotal	14,746
In-year re-organization from: Natural Resources and Northern Development Economic Development, Investment and Trade		(31,450) (68)
	Subtotal	(31,518)
2022/23 Authority		72,833

Part B – Capital Investment		2022/23 Authority \$ (000s)
2022/23 MAIN ESTIMATES – PART B		2,672
Allocation of funds from: -Environment and Climate		-
	Subtotal	-
In-year re-organization from: Natural Resources and Northern Development		(2,672)
	Subtotal	(2,672)
2022/23 Authority		-

Detailed Summary of Authority by Appropriation \$ (000s)

Detailed Summary of Authority	Printed Estimates 2022/23	In-Year Re-organization	Virement	Enabling Authority	Authority 2022/23	Supplementary Estimates
Part A – Operating (Sums to be Voted)						
Finance and Shared Services	9,225	(92)	(494)	4,617	13,256	
Parks and Trails	31,426	(31,426)	-	-	-	
Environmental Stewardship	20,726	-	532	1,111	22,369	
Climate and Green Plan Implementation Office	3,270	-	-	9,018	12,288	
Water Stewardship	17,754	-	(38)	-	17,716	
Subtotal	82,401	(31,518)	-	14,746	65,629	
Part A – Operating (NV)						
Costs Related to Capital Assets	7,204	-	-	-	7,204	
TOTAL Part A - Operating	89,605	(31,518)	-	14,746	72,833	
Part B – Capital Investment	2,672	(2,672)	-	-	-	

NV – Non-voted expenditure

Part A: Expenditure Summary by Appropriation

Departmental Actual Expenditures

For the fiscal year ended March 31, 2023 with comparative figures for the previous fiscal year \$ (000s)

Authority 2022/23	Appropriation	Actual 2022/23	Actual 2021/22	Increase (Decrease)	Expl. No.
12.1 Finance and Shared Services					
(a) Minister's Salary					
42	Salaries and Employee Benefits	42	42	-	
(b) Executive Support					
729	Salaries and Employee Benefits	780	678	102	
75	Other Expenditures	75	57	18	
(c) Administration & Financial Services					
5,563	Salaries and Employee Benefits	5,563	5,415	148	
5,688	Other Expenditures	5,279	1,200	4,079	1
(d) Clean Environment Commission					
341	Salaries and Employee Benefits	507	325	182	
79	Other Expenditures	264	40	224	
(e) Legislation, Policy and Coordination					
689	Salaries and Employee Benefits	689	691	(2)	
50	Other Expenditures	50	57	(7)	
13,256	Subtotal 12.1	13,249	8,505	4,744	
12.2 Environmental Stewardship					
(a) Divisional Administration					
305	Salaries and Employee Benefits	328	255	73	
40	Other Expenditures	36	60	(24)	

	(b) Environmental Compliance and Enforcement				
4,416	Salaries and Employee Benefits	4,203	3,994	209	
721	Other Expenditures	567	570	(3)	
	(c) Environmental Approvals				
2,967	Salaries and Employee Benefits	2,951	2,982	(31)	
1,700	Other Expenditures	2,675	513	2,162	2
	(d) Environmental Programs and Remediation				
1,317	Salaries and Employee Benefits	1,277	1,279	(2)	
10,866	Other Expenditures	14,994	35,761	(20,767)	3
37	Grant Assistance	37	37	-	
22,369	Subtotal 12.2	27,068	45,451	(18,383)	

12.3 Climate and Green Plan Implementation Office

	(a) Climate and Green Plan Implementation Office				
2,241	Salaries and Employee Benefits	1,963	1,898	65	
9,383	Other Expenditures	9,678	9,090	588	
	(b) Energy Policy				
400	Salaries and Employee Benefits	386	321	65	
264	Other Expenditures	137	13	124	
12,288	Subtotal 12.3	12,164	11,322	842	

12.4 Water Stewardship

	(a) Divisional Administration				
207	Salaries and Employee Benefits	212	194	18	
-	Other Expenditures	-	11	(11)	
	(b) Water Science and Watershed Management				

3,336	Salaries and Employee Benefits	3,504	3,178	326	
1,318	Other Expenditures	1,163	954	209	4
	(c) Drainage and Water Rights Licensing				
2,365	Salaries and Employee Benefits	2,287	1,968	319	
465	Other Expenditures	374	458	(84)	
	(d) Office of Drinking Water				
2,440	Salaries and Employee Benefits	2,536	2,318	218	
666	Other Expenditures	724	624	100	
	(e) Watershed Districts and Planning Assistance				
6,443	Grant Assistance	6,417	5,851	566	
	(f) Water Stewardship Initiatives				
56	Other Expenditures	80	-	80	
420	Grant Assistance	415	429	(14)	
17,716	Subtotal 12.4	17,712	15,985	1,727	
	12.5 Costs Related to Capital Assets				
	(a) General Assets				
946	Amortization Expense	3,973	4,326	(353)	
	(b) Infrastructure Assets				
6,258	Amortization Expense	5,903	5,924	(21)	
7,204	Subtotal 12.5	9,876	10,250	(374)	
72,833	Total Expenditures	80,069	91,513	(11,444)	

Explanations:

1. Increase is due to operating costs related to relocation from 200 Saulteaux Crescent to 258 Portage Avenue, 14 Fultz Boulevard and 1181 Portage Avenue.

2. Increase is due to inflationary costs for environmental liabilities for the Provincial Contaminated Sites.
3. Decrease is primarily due to decrease in assessed value of Orphaned and Abandoned Mine Site Rehabilitation liabilities.
4. Increase is due to increased number of staff and operational activity.

Revenue Summary by Source

Departmental Actual Revenue

For the fiscal year ended March 31, 2023 with comparative figures for the previous fiscal year \$ (000s)

Actual 2021/22	Actual 2022/23	Increase/ (Decrease)	Expl. No.	Source	Actual 2022/23	Estimate 2022/23	Variance Over/(Under)	Expl. No.
Other Revenue								
-	-	-		Clean Environment Commission Cost Recovery	-	100	(100)	7
9,877	9,774	(103)		Environment Fees and Sundry	9,774	9,295	479	
88,825	70,985	(17,840)	1	Water Power Rentals	70,985	120,000	(49,015)	8
350	288	(62)		Water Resources Sundry	288	466	(178)	9
205	150	(55)	2	GeoManitoba Fees and Sundry	150	300	(150)	10
709	241	(468)	3	Sundry	241	250	(9)	
99,966	81,438	(18,528)		Subtotal	81,438	130,411	(48,973)	
Government of Canada								
331	-	(331)	4	Building Regional Adaptation Capacity & Expertise	-	-	-	
35	-	(35)	5	Vulnerability and Risk Assessment	-	-	-	
12,684	9,719	(2,965)	6	Low Carbon Economy Fund (LCEF)	9,719	-	9,719	11
13,050	9,719	(3,331)		Subtotal	9,719	-	9,719	
113,016	91,157	(21,859)		Total Revenue	91,157	130,411	(39,254)	

Explanations:

1. Lower revenue due to a drought in the Lake Manitoba watershed and storage in 2021/22 as well as Manitoba Hydro power rental fee being reduced in 2022/23.
2. Decrease mainly due to the spring flooding delayed the season resulting in lower map sales.
3. Lower revenue is due to a one-time recognition of penalty payment and a Clean Air and Climate Trust Fund payment in 2021/22.
4. Lower revenue mainly due to Building Regional Adaptation Capacity program ended in 2021/22.
5. Lower revenue mainly due to Vulnerability and Risk Assessment program ended in 2021/22.
6. Lower revenue mainly due Efficiency Trucking Program was not active in 2022/23 and lower claims submitted to Canada on behalf of Efficiency Manitoba.
7. No revenue in 2021/22 as there were no hearings by the Commission last year.
8. Lower revenue due to Manitoba Hydro power rental fee reduced in 2022/23.
9. Lower revenue due to a decrease in Water Rights applications being received.
10. Lower revenue is due to Cuprus Lagoon recoveries varied from year to year.
11. Higher revenue mainly due to a revenue receivable from Canada on behalf of Efficiency Manitoba, resulting in zero net impact to Manitoba.

Departmental Program and Financial Operating Information

Finance and Shared Services (12.1)

Main Appropriation Description

Provides executive management of the department. Provides corporate services, including financial, information technology, and administrative support services. Works across the department to develop strategic policy and co-ordinates legislation, reports, and other briefing material for executive management.

Clean Environment Commission: Evaluates and provides recommendations and advice on environmental impacts of developments, investigates and researches environmental matters, and undertakes public education activities.

Note: Corporate services, including financial, information technology, and administrative support services are a shared service provided to Environment and Climate and Natural Resources and Northern Development. The shared service is budgeted in Environment and Climate.

Sub-appropriations	2022/23 Actual	2022/23 Authority	
	\$ (000s)	FTEs	\$ (000s)
Minister's Salary	42	1.00	42
Executive Support	855	8.00	804
Administration and Financial Services	10,842	80.00	11,251
Clean Environment Commission	771	3.00	420
Legislation, Policy and Coordination	739	9.00	739
TOTAL	13,249	101.00	13,256

Minister's Salary

Sub-Appropriation Description

Provides the Minister with additional compensation to which an individual appointment to Executive Council is entitled.

12.1(a) Minister's Salary

Expenditures by Sub-Appropriation	Actual	Authority 2022/23		Variance	Expl. No.
	2022/23 \$ (000s)	FTEs	\$(000s)	Over/(Under) \$ (000s)	
Salaries and Employee Benefits	42	1.00	42	-	
Total Sub-Appropriation	42	1.00	42	-	

Executive Support

Sub-Appropriation Description

Support staff in the offices of the Minister and Deputy Minister of Environment and Climate.

12.1(b) Executive Support

Expenditures by Sub-Appropriation	Actual	Authority 2022/23		Variance	Expl. No.
	2022/23 \$ (000s)	FTEs	\$(000s)	Over/(Under) \$ (000s)	
Salaries and Employee Benefits	780	8.00	729	51	
Other Expenditures	75	-	75	-	
Total Sub-Appropriation	855	8.00	804	51	

Finance and Shared Services

Sub-Appropriation Description

Provides executive management of programs and management services, including financial and administrative leadership, direction, advice, and guidance to the department of Environment and Climate, and provides shared services to the department of Natural Resources and Northern Development. This includes financial and administrative support, client information services, e-licensing, Canada Map Sales, comptrollership and auditing functions, capital and asset investment planning, business and process improvement, and technology services, and risk management program services.

Key Results Achieved

- Provided delivery of service for the Manitoba e-licensing system. In 2022/23, more than 384,000 licences and permits were issued through the e-licensing system.

- Established the 2022-2026 French Language Service Multi-year program and implemented actions identified in the department's strategic plan to improve French language services within the department.
- Provided staff orientation regarding the French Language Service Policy and legislation including the concept of active offer department wide. Resources were developed and made available on the department intranet in order to help enhance French Language Services. Offered opportunities for additional French language training by the Francophone Affairs Secretariat.
- Hosted a number of learning events through the Diversity, Inclusion and Accessibility Steering Committee, including webinar presentations, to promote awareness and expand learning opportunities for Environment and Climate and Natural Resources and Northern Development staff.
- Promoted Manitoba Accessibility Awareness Week, May 29 to June 4, 2022, through the Diversity, Inclusion and Accessibility Steering Committee including compelling departmental compliance with respect to The Accessibility for Manitobans Act and the requirement for all staff to complete the mandatory Accessibility for Manitobans Act training.
- Furthered the department's approach to analyzing existing operations and expanded a continuous improvement practice across the organization to realize productivity efficiencies and improved client-centered services. Department business practices and processes were reviewed and redefined to produce priority aligned deliverables with less red tape.
- Continued to work with government computer application developers in the production of new and enhanced business systems, in the delivery of new technology, and in the sustainment of existing business critical systems. In 2022/23, Air Quality Management Systems were upgraded/re-platformed.
- Advanced modernization strategy and action plans for the department's business support systems including Environmental Management.
- Led technological health reviews of several business support systems, established detailed vitality plans for these systems, and facilitated system upgrades where risks were identified.
- Updated the foundation technology, support structure, and content delivery workflow for the Clean Environment Commission website.
- Responded to The Freedom of Information and Protection of Privacy Act requests; detailed information regarding the FIPPA, including information specific to Environment and Climate, can be found on the Manitoba Government Website.
- Administered grant-funding programs and capital investments in cooperation with program areas to support government priorities.
- Coordinated and prepared budgets, reviewed and analyzed program financials and revenue, reported on financials of consolidated programs including Other Reporting Entities.
- Supported divisions to fully implement the department's capital budget while ensuring value for money.
- Supported divisions on spending within the operating budget while ensuring the department fulfills its mandate and delivers value for money.

12.1(c) Administration and Financial Services

Expenditures by Sub-Appropriation	Actual	Authority 2022/23		Variance	Expl. No.
	2022/23 \$ (000s)	FTEs	\$(000s)	Over/(Under) \$ (000s)	
Salaries and Employee Benefits	5,563	80.00	5,563	-	
Other Expenditures	5,279	-	5,688	(409)	
Total Sub-Appropriation	10,842	80.00	11,251	(409)	

Clean Environment Commission

Sub-Appropriation Description

Provides a mechanism through which the public can participate in environmental decision making. The Commission conducts public reviews and hearings into matters of environmental concern and provides advice and recommendations to the Minister.

The Commission issues its own Annual Report with information on its mandate and operations. Copies can be obtained from the Commission at 305-155 Carlton Street, Winnipeg, MB R3C 3H8. The Commission can be contacted at 204-945-0594, or toll free number at 1-800-597-3556, or by fax at 204-945-0090. The Commission's website is www.cecmanitoba.ca.

12.1(d) Clean Environment Commission

Expenditures by Sub-Appropriation	Actual	Authority 2022/23		Variance	Expl. No.
	2022/23 \$ (000s)	FTEs	\$(000s)	Over/(Under) \$ (000s)	
Salaries and Employee Benefits	507	3.00	341	166	
Other Expenditures	264	-	79	185	
Total Sub-Appropriation	771	3.00	420	351	

Legislation, Policy and Coordination

Sub-Appropriation Description

Leads the development and integration of high priority policy for the department, particularly in areas that cross divisions and departments. The branch supports the department with strategic policy initiatives, legislative and regulatory development, and intergovernmental activity.

Key Results Achieved

- Led preparation of the department's Supplement to the Estimates of Expenditures, Annual Report, and Transition and Committee of Supply materials.
- Coordinated the department's participation in federal, provincial, and territorial meetings, including the Council of Canadian Ministers of the Environment and the Energy and Mines Ministers Conference.
- Led development of briefing and advisory materials, authority seeking documents, and communication services including correspondence and speaking notes.
- Coordinated appointment process of members to agencies, boards and commissions reporting to the Minister.
- Supported the completion of amendments to The Environment Act and its Non-Essential Pesticide Use Regulation to remove the ban on cosmetic pesticides as well as regulation amendments to add four new municipalities to the Watershed Districts Program.

12.1(e) Legislation, Policy and Coordination

Expenditures by Sub-Appropriation	Actual	Authority 2022/23		Variance	Expl. No.
	2022/23 \$ (000s)	FTEs	\$(000s)	Over/(Under) \$ (000s)	
Salaries and Employee Benefits	689	9.00	689	-	
Other Expenditures	50	-	50	-	
Total Sub-Appropriation	739	9.00	739	-	

Environmental Stewardship (12.2)

Main Appropriation Description

The Environmental Stewardship Division administers acts, regulations, and province wide regulatory initiatives, programs, compliance, and enforcement to ensure sustainable development and environmental protection.

Sub-appropriations	2022/23 Actual	2022/23 Authority	
	\$ (000s)	FTEs	\$ (000s)
Divisional Administration	364	4.00	345
Environmental Compliance and Enforcement	4,770	56.00	5,137
Environmental Approvals	5,626	31.00	4,667
Environmental Programs and Remediation	16,308	15.00	12,220
TOTAL	27,068	106.00	22,369

Divisional Administration

Sub-Appropriation Description

Provides leadership for the development, implementation, and evaluation of acts, regulations and province wide regulatory initiatives, programs, compliance and enforcement to ensure sustainable development and environmental protection. Oversees waste diversion and recycling programming and funding under The Waste Reduction and Prevention Act and Waste Reduction and Recycling Support program to divert waste from landfills and support the creation of a circular economy in Manitoba.

Key Results Achieved

- Provided regulatory oversight and actively engaged with the stewardship organizations. The industry-funded stewardship programs that operate under The Waste Reduction and Prevention Act regulations collectively diverted over 124,000 tonnes of end-of-life materials from Manitoba landfills annually.
- Provided \$8.7 million to municipalities and organizations through the Waste Reduction and Recycling Support Program to support strategic waste diversion and recycling efforts in Manitoba. This included \$6.9 million in rebates to municipalities and Northern communities, based on 54,187 tonnes of eligible recycling reported in 2022.
- Supported four new projects through the Waste Reduction and Recycling Support program to enhance the diversion of organic and plastic waste from landfills. These projects advanced research into compost processing methods, supported the expansion of compost programs and local markets for compost, and enhanced local capacity to recycle plastic from children's car seats.

- Led a public engagement to review Manitoba’s industry-run recycling programs. This engagement provided the public and key stakeholders with an opportunity provide feedback on Manitoba’s recycling programs and identify opportunities to enhance programming to increase waste diversion.
- Led a public engagement on a fully industry-funded model for recycling residential blue bin material (such as packaging and printed paper). The department continues to work with stakeholders, municipalities, and industry to transition residential blue bin recycling programs to a fully industry-funded model. This transition will support the advancement of a circular economy and increase waste diversion.
- Launched a construction, renovation, and demolition waste task force in partnership with industry associations and other key stakeholders. The task force will explore options to increase diversion of construction, renovation, and demolition waste from landfills, reduce greenhouse gas emissions, promote a circular economy, and reduce regulatory requirements.
- Administered the Manitoba Composts Support Payment program, which provides incentive payments to municipal and commercial compost facilities participating in the program. A total of 77,059 tonnes of organic waste diverted from landfills were reported by compost facilities participating in the Manitoba Composts Support Payment program in 2022.
- Funded initiatives for the collection and safe disposal of approximately 116 tonnes of residential hazardous waste, including flammable, reactive, corrosive, and toxic materials in 2022/23.

12.2(a) Divisional Administration

Expenditures by Sub-Appropriation	Actual	Authority 2022/23		Variance	Expl. No.
	2022/23 \$ (000s)	FTEs	\$(000s)	Over/(Under) \$ (000s)	
Salaries and Employee Benefits	328	4.00	305	23	
Other Expenditures	36	-	40	(4)	
Total Sub-Appropriation	364	4.00	345	19	

Environmental Compliance and Enforcement

Sub-Appropriation Description

Undertakes inspection activities, enforces The Environment Act, The Dangerous Goods Handling and Transportation Act, The Contaminated Sites Remediation Act, and The Ozone Depleting Substances Act and associated regulations to ensure regulatory compliance, and responds to environmental incidents and complaints to protect human health and Manitoba’s environment.

Key Results Achieved

- Ensured compliance with Manitoba’s environmental legislation through inspections, monitoring, and implementation of programs and activities that mitigate the impact of pollutants and contaminants to the environment. This includes:
 - 630 permits, registrations, licences, and approvals issued under The Dangerous Goods Handling and Transportation Act; 78 decisions issued and 329 remedial, management and monitoring reports reviewed under The Contaminated Sites Remediation Act; and 1356 onsite wastewater registrations and approvals completed under The Environment Act.
- Enforced environmental legislation through education, negotiation, investigation, and issuance of warnings, orders, offense notices, and long information. These include environmental legislation and programs and activities that address the management of contaminated sites, crop residue burning, hazardous waste, livestock manure and mortalities, municipal wastewater, onsite wastewater, petroleum storage, and solid waste. Issued 66 warnings and started 10 prosecution proceedings.
- Responded to 605 environmental incidents through the Emergency Response Team in accordance with existing Canada Manitoba mutual agreements and the provincial Environmental Emergencies Coordination Plan. This includes the delivery of the 24-hour provincial reporting line for environmental emergencies.
- Made progress in modernizing the Onsite Wastewater Management Systems Program with the implementation of two streamlined e-forms.
- Streamlined the Petroleum Storage Program permitting process through the introduction of two e-forms.
- Continued to monitor and regulate the City of Winnipeg’s Environment Act licences for the North End Pollution Control Centre, South End Pollution Control Centre, and combined sewer overflows.
- Developed a new risk-based approach to conducting environmental compliance inspections and enforcement activities that will result in stronger protection of public health and the environment.
- Launched a new online public registry and interactive map of contaminated and impacted sites in Manitoba to enhance public access to information about these sites. This will provide the public with access to real-time information that has been uploaded to the registry.

Table ECE.1 Environmental Compliance Summary 2022/23

Activities	2022/23	Expl. No.
The Dangerous Goods Handling and Transportation Act		
Hazardous Waste Generator Registrations Issued	181	
Hazardous Waste Receiver Registrations Issued	7	
Licence to Transport Hazardous Waste Issued	6	
Approval to Dispose of Polychlorinated Biphenyls (PCB) Waste Issued	22	
Approval to Establish a Polychlorinated Biphenyls (PCB) Storage Site Issued	-	1
Permit to Operate a Petroleum Storage Tank System (including Jobsite Storage Tank Operating Permits)	215	
Permit to Construct or Alter a Petroleum Storage Tank System	107	
Permit to Alter a Petroleum Storage Tank System by Removal	30	
Petroleum Technician Licences Issued or Renewed	62	
The Contaminated Sites Remediation Act		
Designations	24	
Remediation Plans Approved	37	
Management Plans Approved	7	
Monitoring Reports Reviewed	285	
Revocations	54	
Guidelines Issued	-	2
Information Bulletins Issued	-	3

Explanations:

1. No requests for approval to establish a Polychlorinated Biphenyls storage site were received in 2022/23.
2. One new guideline has been initiated.
3. One new information bulletin has been initiated.

Table ECE.2 Environmental Legislation Enforcement Summary 2022/23

Legislation	Prosecutions	Warnings	Orders	Fines(\$)
Contaminated Sites Remediation Act	-	-	-	-
The Dangerous Goods Handling and Transportation Act	-	1	-	-
Storage and Handling of Petroleum Products and Allied Products Regulation	2	12	-	\$2,592
Dangerous Goods Handling and Transportation Regulation	-	-	-	-
Hazardous Waste Regulation	-	4	-	-
Environmental Accident Reporting Regulation	-	-	-	\$400
The Environment Act	-	9	-	\$1,500
Pesticides Regulation	-	-	-	-
Litter Regulation	-	1	-	-
Onsite Wastewater Management Systems Regulation	4	20	-	\$2,044
Notice and Reporting Regulation	-	-	-	-
Livestock Manure and Mortalities Management Regulation	4	11	-	\$2,672
Waste Management Facilities Regulation	-	8	-	-
Water and Wastewater Facility Operators Regulation	-	-	-	-
Total	10	66	-	\$9,208

12.2(b) Environmental Compliance and Enforcement

Expenditures by Sub-Appropriation	Actual	Authority 2022/23		Variance	Expl. No.
	2022/23 \$ (000s)	FTEs	\$ (000s)	Over/(Under) \$ (000s)	
Salaries and Employee Benefits	4,203	56.00	4,416	(213)	
Other Expenditures	567	-	712	(154)	
Total Sub-Appropriation	4,770	56.00	5,137	(367)	

Environmental Approvals

Sub-Appropriation Description

Leads the review and issuance of environmental licences, water power licences, environmental permits, and the air quality program to support sustainable development while protecting the environment.

Key Results Achieved

- Managed regulatory processes for applications for existing and new developments to ensure they meet requirements per The Environment Act, The Dangerous Goods Handling and Transportation Act, and associated regulations.
- Developed licence and permit terms and conditions that regulate construction and operation activities in an environmentally sustainable manner.
- Launched a review of the environmental licensing process for improvement opportunities to enhance environmental protections and improve client experience.
- Issued 44 licences and 92 minor alteration requests under The Environment Act, and three licences and five minor alteration requests under The Dangerous Goods Handling and Transportation Act.
- Added 432 documents to the department's public registry to ensure public transparency on environmental approvals and environmental licensing decisions for new developments.
- Ensured 19 hydroelectric developments, located on Crown lands, complied with The Water Power Act and regulations to continue to produce hydroelectricity sustainably.
- Processed under The Water Power Act:
 - One Short-term Extension Licence for Manitoba Hydro's Kettle Generating Station and four water power withdrawals
 - Five treaty land entitlements
- Administered solid waste, pesticide use, and livestock manure and mortalities programs by:
 - Issuing 28 waste management facility permits

- Issuing 88 pesticide use permits
- Issuing 22 manure storage permits, one repair and one on-farm composting approval, and
- Approving 515 manure management plan registrations and completing 28 random audits.
- Issued 452 water and wastewater facility operator certificates and 36 facility classifications to continue to ensure safe drinking water and wastewater treatment for Manitobans.
- Provided hourly inputs to Environment Canada’s Air Quality Health Index for Winnipeg, Brandon, and Flin Flon to ensure Manitobans have accurate air quality information to make decisions about their daily activities for their health.
- Responded to 898 requests under the Environmental File Search Program for critical property information related to environmental activities.
- Continued to provide near real-time and historical air quality levels on the department’s website (www.ManitobaAirQuality.ca) to give Manitobans up-to-date information on air quality pollutants, including ground level ozone, fine particulate matter, nitrogen oxides, and sulfur dioxide.
- Continued improvements to the air quality program to maintain high quality data, improve reporting, and support decision-making around outdoor activities.
- Passed legislation to give Manitobans the choice to be able to purchase and use cosmetic pesticides already registered with Health Canada on their lawns. This legislation protects children and pets by continuing to restrict pesticide use at schools, child care centres, and hospitals, and adds new restrictions on municipal playgrounds, picnic areas, dog parks, and provincial parks.
- Initiated a multi-year project to develop a new approach to water power licensing in Manitoba that is more efficient, addresses the ongoing environmental concerns associated with legacy developments, and advances reconciliation.

12.2(c) Environmental Approvals

Expenditures by Sub-Appropriation	Actual	Authority 2022/23		Variance	Expl. No.
	2022/23 \$ (000s)	FTEs	\$(000s)	Over/(Under) \$ (000s)	
Salaries and Employee Benefits	2,951	31.00	2,967	(16)	
Other Expenditures	2,675	-	1,700	975	1
Total Sub-Appropriation	5,626	31.00	4,667	959	

Explanation:

1. Over-expenditure due to inflationary costs for environmental liabilities related to the Provincial Contaminated Sites.

Environmental Programs and Remediation

Sub-Appropriation Description

Leads the Environmental Remediation Program, which includes the remediation and monitoring of orphaned and abandoned mines, and contaminated sites in Manitoba. The branch works to minimize the environmental and public safety concerns, and reduce the environmental liabilities associated with these sites.

Key Results Achieved

- Continued to accelerate remediation efforts for orphaned and abandoned mines to ensure economic growth, environmental protection, and human safety from high-risk legacy mining sites in the province.
- Administered 20 multi-year remediation contracts. Work completed in the 2022/23 reporting year is projected to decrease Manitoba's environmental liability by \$21.7M. The department's environmental liabilities inventories contained 153 identified orphaned and abandoned mine sites and 108 environmental liability contaminated sites in 2022/23.
- Completed two large scale multi-year remediation projects at the former Ruttan (\$45M) and Sherridon (\$51M) mine sites. A new multi-year sub program was launched to advance the long-term care and maintenance of mine sites and to support the implementation of a robust action plan to further accelerate clean-up.
- Engaged with Indigenous communities to receive input and provide updates on the remediation and environmental management of orphaned and abandoned mines and contaminated sites.
- Partnered with Gods Lake First Nation to complete the first phase of the Kenuchewan Rapids clean-up and remediation project.
- Completed water treatment, sludge removal, and monitoring activities at four sites: Ruttan, Fox, Farley and Sherridon Mine sites.
- Launched the Care, Maintenance, and Surveillance program to ensure the investments made to upgrade infrastructure and support public safety standards at orphaned and abandoned mine sites are maintained.
- Continued implementation of a multi-year remediation plan for three Manitoba contaminated sites: Sprague, Shilo, and Carberry.
- Completed year one of a five-year groundwater monitoring program for five contaminated sites to identify risk to human or environmental health and safety and determine if further monitoring or work is required.
- Initiated a three-year community monitoring program for seven communities where there are contaminated sites to determine the nature and extent of any impacts.
- Launched a new interactive map of orphaned and abandoned mine sites in Manitoba, allowing the public to access information about such sites and remediation activities in their communities and throughout Manitoba.

12.2(d) Environmental Programs and Remediation

Expenditures by Sub-Appropriation	Actual	Authority 2022/23		Variance	Expl. No.
	2022/23 \$ (000s)	FTEs	\$(000s)	Over/(Under) \$ (000s)	
Salaries and Employee Benefits	1,277	15.00	1,317	(40)	
Other Expenditures	14,994	-	10,866	4,128	1
Grant Assistance	37	-	37	-	
Total Sub-Appropriation	16,308	15.00	12,220	4,088	

Explanation:

1. Over-expenditure due to inflationary costs for the Orphaned and Abandoned Mine Site Rehabilitation program.

Climate and Green Plan Implementation Office (12.3)

Main Appropriation Description

Develops and co-ordinates the implementation of the Made-in-Manitoba Climate and Green Plan, including policy development and program implementation.

Sub-appropriations	2022/23 Actual	2022/23 Authority	
	\$ (000s)	FTEs	\$ (000s)
Climate and Green Plan Implementation Office	11,641	23.00	11,624
Energy Policy	523	4.00	664
TOTAL	12,164	27.00	12,288

Climate and Green Plan Implementation Office

Sub-Appropriation Description

Supports leading practices, applies analysis, develops policy, and initiates projects to support the all-of-government implementation of Manitoba's Climate and Green Plan.

Key Results Achieved

- Coordinated efforts across government to implement measures contributing to the Carbon Savings Account emission reduction target of 1Megatonne for 2018 to 2022.
- Set the next Carbon Savings Account (2023-2027) goal of 5.6Megatonne, over the next five years, based on the recommendations of the Expert Advisory Council, Manitoba.
- Implemented a number of emission reduction initiatives, such as the Efficiency Trucking Program, which has received 366 successful requests to install fuel-saving devices, resulting in a reduction of over 25,000 tonnes of emissions. As of March 31, 2023, there were 366 successful applications submitted to the Efficient Trucking Program, consisting of 3,627 units (1,934 trucks and 1,693 trailers). Due to the success of the Efficient Trucking Program, the program was extended for another year.
- Allocated \$1.5 million to nine project areas covering: Innovation and Cleantech; Conservation; Water Quality; Circular Economy Development; and Sector Emissions Reductions under the Conservation and Climate Fund. The Conservation and Climate Fund was launched in 2020 as a new fund with a competitive annual intake and provides support to projects that address climate change and protect the environment in alignment with the priorities of the Manitoba Climate and Green Plan.
- Continued to participate at the national level to bring forward Manitoba's priorities and unique cold climate perspective on policy and regulatory committees related to product standards, building codes, and other related energy efficiency initiatives (e.g., building labelling, industrial energy efficiency).

- Led the Capacity Enhancement in Vulnerability and Risk Assessment Project, which comprised Phase 3 of the Manitoba Climate Resilience Training Program, to train and build the capacity of targeted sectors to better understand climate vulnerabilities, risks, and opportunities, and integrate adaptation into planning and investment decisions. This included 66 municipalities, watershed districts, and a number of public servants from across government. Specifically, this project developed tailored climate risk assessments and guidance documents that translate data into actionable information for the targeted sectors.
- Continued to engage Northern Affairs Communities and Northern Healthy Foods Initiative partner organizations, under the Climate Risk and Capacity Building Needs Assessment Project, Manitoba to better understand climate vulnerabilities and risks and opportunities to infrastructure, food security, health, and well-being and their prioritization. This will enable them to develop northern-focused and Indigenous-centred adaptation plans and investment decisions.
- Provided coordination and secretariat support for the Expert Advisory Council. The Expert Advisory Council is an independent group of experts with a mandate to provide advice and recommendations to the Minister on Manitoba's Climate and Green Plan. During the April 2022-March 2023 period, the Expert Advisory Council delivered on the following:
 - Provided a recommendation for Manitoba's second Carbon Savings Account (2023-2027) goal which was accepted by government. The provincial greenhouse gas emissions reduction goal for the January 1, 2023 to December 31, 2027 period is 5.6 megatonnes of carbon dioxide equivalent, relative to the total greenhouse gas emissions that would have occurred in that period based on Environment and Climate Change Canada's 2022 Reference Case projection. The 5.6 megatonne reduction goal is a cumulative reduction target amount over the five-year period. The reduction target is equal to the emissions from 1.7 million gasoline-powered passenger vehicles for one year.
 - Established a new cohort of the Youth Advisory Council in February 2023 to advise the Expert Advisory Council and better engage youth and all Manitobans on climate change mitigation and adaptation. The youth council includes 11 members, ages 16 to 28, from seven communities across the province: Swan River, Morden, St-Pierre-Jolys, Dacotah, Narol, Brandon, and Winnipeg.
- Continued building partnerships and fostering dialogue with provincial partners, businesses, and the non-profit sector:
 - Along with our prairie provinces and federal partners, Manitoba invested in ClimateWest to identify climate data sources and adaptation services to help people, communities, businesses, and governments identify and address the risks and vulnerabilities of a changed climate through enhanced planning and action.
 - Manitoba continued to recognize and support the world class work the University of Winnipeg's Prairie Climate Centre is doing to communicate climate science through multiple formats such as maps, videos, research reports, and plain-language training materials making our changed climate meaningful and relevant to Manitobans.
 - Contributed to work undertaken by the Canadian Council of Ministers of the Environment and provided input on publications related to climate risk management and natural infrastructure. Additionally, the department contributed to ongoing committee work for adaptation, climate indicators, flood, and drought.
 - Participated on the Natural Resources Canada-sponsored National Adaptation Plenary and Platform. This body is a representation of provinces, territories, federal government departments, national

Indigenous groups, academia, and sectorial leads. It provides a forum to share expertise and identify emerging climate adaptation issues across Canada.

- Supported the International Institute for Sustainable Development through its multi-year funding agreement that continued over 2022/23 and included delivery of research supporting implementation of the Climate and Green Plan. Research focused on sustainability challenges such as climate change and adaptation in the agriculture sector, circular economy, green economy, indicators, natural infrastructure, net-zero emissions, and plastic waste management. The research reflected a whole-of-government approach, including the engagement of various host departments and their project leads.

12.3(a) Climate and Green Plan Implementation Office

Expenditures by Sub-Appropriation	Actual 2022/23	Authority 2022/23		Variance Over/(Under)	Expl. No.
	\$ (000s)	FTEs	\$(000s)	\$ (000s)	
Salaries and Employee Benefits	1,963	23.00	2,241	(278)	
Other Expenditures	9,678	-	9,383	295	
Total Sub-Appropriation	11,641	23.00	11,624	17	

Energy Policy

Sub-Appropriation Description

The Climate and Green Plan Implementation Office works in close collaboration with stakeholders and Crown corporations to deliver policies and programs related to energy in Manitoba. Departmental staff in worked on energy policy initiatives, including the development of a new long-term energy policy framework, green transportation initiatives, and supporting Efficiency Manitoba.

Key Results Achieved

- Advanced the development of a new long-term energy policy framework for Manitoba.
- Advanced energy efficiency with programs and provided support to Efficiency Manitoba and Manitoba Hydro:
 - Efficiency Manitoba rolled out nine new programs and offers in 2021/22, including their Heat Pump program, Innovation Fund, and Windows and Doors rebate. Several more offers were launched in 2022/23 including air-source heat pump program, solar rebate program, residential and commercial deep energy retrofits, and Efficiency Manitoba energy efficiency educational program (GenerationE). These launches supplemented the ongoing availability of in-market programs and enhancements designed to respond to market conditions. Efficiency Manitoba has over 40 programs and offers

available for Manitobans across residential, income-based, Indigenous, commercial, industrial, and agricultural customer segments.

- Continued to provide technical support to the Finance Department to ensure a reliable supply of electricity to consumers.

12.3(b) Energy Policy

Expenditures by Sub-Appropriation	Actual	Authority 2022/23		Variance	Expl. No.
	2022/23 \$ (000s)	FTEs	\$(000s)	Over/(Under) \$ (000s)	
Salaries and Employee Benefits	386	4.00	400	(14)	
Other Expenditures	137	-	264	(127)	
Total Sub-Appropriation	523	4.00	664	(141)	

Water Stewardship (12.4)

Main Appropriation Description

Provides programs and implements legislation to protect and manage the health and sustainability of Manitoba's surface and groundwater. Provides monitoring and regulatory services to ensure the safety of Manitoba's drinking water, sustainable drainage and water rights licensing.

Sub-appropriations	2022/23 Actual	2022/23 Authority	
	\$ (000s)	FTEs	\$ (000s)
Divisional Administration	212	2.00	207
Water Science and Watershed Management	4,667	38.00	4,654
Drainage and Water Rights Licensing	2,661	30.00	2,830
Office of Drinking Water	3,260	27.00	3,106
Watershed Districts and Planning Assistance	6,417	-	6,443
Water Stewardship Initiatives	495	-	476
TOTAL	17,712	97.00	17,716

Divisional Administration

Sub-Appropriation Description

Provides for the executive management function of the Water Stewardship Division including administration and oversight of the financial management of the various water branches.

12.4(a) Divisional Administration

Expenditures by Sub-Appropriation	Actual 2022/23	Authority 2022/23		Variance Over/(Under)	Expl. No.
	\$ (000s)	FTEs	\$ (000s)	\$ (000s)	
Salaries and Employee Benefits	212	2.00	207	5	
Other Expenditures	-	-	-	-	
Total Sub-Appropriation	212	2.00	207	5	

Water Science and Watershed Management

Sub-Appropriation Description

Develops and implements science-based programs, policies, and legislation to support sustainable watershed and aquifer management and planning. Provides leadership and coordinates input into transboundary water quality and quantity management issues.

Key Results Achieved

- Delivered the new water management strategy, the first of its kind in nearly 20 years, to guide future actions, decisions, and investment to protect the province's water resources and aquatic ecosystems while sustainably growing the economy and communities. Throughout strategy development, hundreds of Manitobans were engaged to discuss water management challenges, issues, priorities, and needs.
- Represented Manitoba on various transboundary water management organizations' boards and technical sub committees, including four International Joint Commission boards, the Prairie Provinces Water Board, Red River Basin Commission, Assiniboine River Basin Initiative, and others.
- Collected water level information from more than 850 groundwater monitoring wells, of which 590 are equipped with daily water level recorders, providing input to drought monitoring and aquifer management planning.
- Conducted water quality, sediment quality, and benthic invertebrate monitoring on Lake Winnipeg. Spring, summer, and fall monitoring was completed in collaboration with the Lake Winnipeg Research Consortium. Winter monitoring was completed in partnership with Environment and Climate Change Canada.
- Assessed water quality from streams, rivers, and lakes including 65 long-term water quality stations on 50 waterbodies.
- Monitored recreational water quality at 57 beaches and provided timely results to the public using the department website, advisory signs, and weekly tweets. Beaches were monitored for densities of the *Escherichia coli* and the presence of algal blooms, for the number of blue green algae cells and the concentration of algal toxins. Incidents of swimmer's itch were actioned with coordination of beach postings.
- Updated the annual 'Lake Winnipeg: Nutrient and Loads Status Report' summarizing nutrient conditions in Lake Winnipeg and nutrient loads for major tributary rivers to 2020.
- Used Manitoba's water quality standards, objectives, and guidelines as input to Environment Act Licence conditions and to assess water quality with tools such as the Water Quality Index.
- Continued implementing water quality standards with wastewater treatment facility owners for nutrients in wastewater under the Manitoba Water Quality Standards, Objectives, and Guidelines Regulation. Completed an annual review of total phosphorus concentrations in wastewater discharge from 111 facilities across Manitoba.

- Worked with municipalities, golf course facility owners, and the agricultural sector to implement the Nutrient Management Regulation under The Water Protection Act and reviewed 77 nutrient management plans. Provided nutrient management zone information for 42 onsite wastewater management systems and reviewed 13 additional site specific soil survey reports requesting re-zoning of locations mapped as nutrient management zone N4.
- Reviewed 247 daily environmental Emergency Response Team (ERT) reports of incidents. Followed-up on 30 daily ERT incident reports, and responded with targeted site monitoring/evaluations for approximately 10 of those incident reports.
- Licensed 26 companies under The Ground Water and Water Well Act to drill water wells, closed loop systems, environmental, and geotechnical wells in Manitoba in 2022-23. Approximately 1,400 newly drilled wells and 150 well sealing reports were added to the GWDrill database. Around 800 additional well reports were reviewed, updated, or revised.
- Distributed 'Manitoba Well Aware' education materials to well owners, water well drillers and the public, and provided information to the public on expected groundwater conditions and construction.
- Responded to approximately 380 queries, requests, concerns, and complaints regarding groundwater and wells. This includes responses to the public, consultants, industry, academia, non-governmental organizations, watershed districts, and other provincial and federal agencies, including 80 separate large groundwater level dataset requests covering various areas and time-periods.
- Reviewed and provided technical and professional input on groundwater management to various government departments including aquifer management planning for a variety of groundwater quantity and quality issues, groundwater supply proposals, and technical advisory committees.
- Produced site-specific and main-stem assessments of surface water availability for water use licensing under The Water Rights Act.
- Provided watershed engineering design services for 33 watershed district projects, engineering advice for 29 requests related to water control works licence applications or issues (18) and water use licensing requests (11).
- Provided direction and oversight to 14 watershed districts as the delivery agents for local Growing Outcomes in Watersheds (GROW) programs.
- Provided professional planning and program support and leadership to 14 watershed districts including assistance with program delivery, watershed and aquifer management planning, provincial grant administration, policy development, and board governance.
- Initiated two new Integrated Watershed Management Plans under The Water Protection Act.
- Provided additional funding to expand the Northeast Red Watershed District and to further expand the Pembina Valley and Redboine Watershed Districts.
- Prepared the 2021/22 annual report for the Watershed Districts Program.

12.4(b) Water Science and Watershed Management

Expenditures by Sub-Appropriation	Actual	Authority 2022/23		Variance	Expl. No.
	2022/23 \$ (000s)	FTEs	\$(000s)	Over/(Under) \$ (000s)	
Salaries and Employee Benefits	3,504	38.00	3,336	168	
Other Expenditures	1,163	-	1,318	(155)	
Total Sub-Appropriation	4,667	38.00	4,654	13	

Drainage and Water Rights Licensing

Sub-Appropriation Description

Administers and enforces The Water Rights Act as it relates to water control works and water use and diversion. Water control works include the construction and maintenance of private and municipal surface and subsurface drainage, dams, dykes, and works causing changes to water-flow direction or volume. Water use for municipal, agricultural, and industrial purposes such as town water supplies, irrigation, and manufacturing is allocated and authorized under The Water Rights Act.

Key Results Achieved

- Protected semi-permanent and permanent wetlands.
- Received 722 new applications and issued 362 water control works licences and 227 registration certificates. Staff received and acted on 89 formal drainage complaints.
- Six drainage projects required financial compensation for the alteration of seasonal wetlands. In combination, 36.43 acres of wetlands were impacted with \$437,160 provided as compensation.
- Issued a total of eight offence notices/tickets, 15 warnings, and nine orders under The Water Rights Act.
- Issued a total of 102 new and 30 renewed water use licences, bringing the number of active water use licences to 1,342.
- Initiated digitalization of legacy water control works files and scanned into searchable files. This initiative allows efficient access to information previously not easily available, improves licensing decisions, and better meets client needs.

12.4(c) Drainage and Water Rights Licensing

Expenditures by Sub-Appropriation	Actual	Authority 2022/23		Variance	Expl. No.
	2022/23 \$ (000s)	FTEs	\$(000s)	Over/(Under) \$ (000s)	
Salaries and Employee Benefits	2,287	30.00	2,365	(78)	
Other Expenditures	374	-	465	(91)	
Total Sub-Appropriation	2,661	30.00	2,830	(169)	

Office of Drinking Water

Sub-Appropriation Description

Responsible for the administration of The Drinking Water Safety Act and its regulations. The Office of Drinking Water monitors the construction and operation of licensed public and semi-public water systems; implements a progressive risk-based enforcement strategy that facilitates water system compliance with regulatory requirements; and provides technical support, guidance, and educational materials to water suppliers and private water system owners.

Key Results Achieved

- Issued 58 new water system operating licences, 240 renewals, 31 amendments, 20 interim operating licenses and 28 revocations, bringing the total number of licensed water systems in Manitoba to 1,258.
- Conducted 415 inspections or site visits of public and semi-public water systems to assess operational and regulatory compliance with licence requirements.
- Rescinded 19 long term boil water advisories that were in effect for longer than one year, including seven that had been in effect for five years or more.
- Tracked the closure of two water systems designated as non-potable, in accordance with policies developed in collaboration with Manitoba Health, bringing the total number of non-potable water systems to 19.
- Worked with 17 public and semi-public water systems to develop compliance plans, which included reviewing the steps system owners intend to take to bring their water system into compliance with microbiological, chemical, and physical drinking water standards.
- Took enforcement action to address the most critical non-compliance issues, which involved issuing 93 Letters of Direction, 45 warnings, and one ticket.
- Reviewed 44 engineering assessment reports or checklists for public and semi-public water systems and provided advice to owners and operators on ways to improve the overall safety and reliability of their water supplies.

- Reviewed commissioning reports for 15 new major drinking water related infrastructure projects in areas including the City of Brandon, Town of Neepawa, Town of Niverville, and the Town of Gilliam.
- Issued approvals for major upgrades to several larger community or regional water systems, including new water treatment plants or upgrades in the City of Brandon, Town of Beausejour, and the Rural Municipality of Montcalm.
- Issued construction permits for 46 public and 16 semi-public water system projects and approved 35 other minor alterations, upgrades, or extensions.
- Reviewed and commented on 71 Environment Act development proposals or licences.
- Responded to, and supported water system owners and operators with, 311 critical on-call incidents or call-outs to adverse test results, after-hours.
- Supported thousands of private well and cistern owners after significant flooding events in 2022 by fully subsidizing bacteriological testing fees for their drinking water samples between April 1 and August 31, 2022.
- Partnered with the Manitoba Environmental Industries Association to promote and administer the Lead in Drinking Water Grant available to schools and child care centres.
- Extended the Lead in Drinking Water Grant to March 31, 2024 to enable schools and childcare centres continued access to grant funding to test for and address elevated lead in drinking water.
- Advanced work with Manitoba Health to implement provincial standards for lead and manganese in drinking water, including expansion of the Residential Lead Monitoring Program, which focuses on testing and public communication, to include the cities of Dauphin, Morden, Portage la Prairie, and Thompson, in addition to Winnipeg and Brandon.
- Developed and delivered training material, including three webinars, to over 70 community councillors, chief administrative officers, community water operators and Indigenous Reconciliation and Northern Relations (IRNR) staff in northern Manitoba, with the goal of fostering the advancement of technical expertise and understanding of regulatory requirements in smaller northern communities, particularly IRNR communities.
- Continued efforts to implement recommendations made in the Office of the Auditor General's 2020 report, Provincial Oversight of Drinking Water Safety, including developing a framework to address unique water systems.
- Updated the Office of the Auditor General on progress made to implement 18 recommendations to improve drinking water policy and processes.

12.4(d) Office of Drinking Water

Expenditures by Sub-Appropriation	Actual	Authority 2022/23		Variance	Expl. No.
	2022/23 \$ (000s)	FTEs	\$(000s)	Over/(Under) \$ (000s)	
Salaries and Employee Benefits	2,536	27.00	2,440	96	
Other Expenditures	724	-	666	58	
Total Sub-Appropriation	3,260	27.00	3,106	154	

Watershed Districts and Planning Assistance

Sub-Appropriation Description

Supports Watershed Districts as established under The Watershed Districts Act and to fund watershed planning as described under The Water Protection Act.

Key Results Achieved

- Implemented the Watershed Districts Program as a voluntary, incentive-based municipal partnership program to protect, restore, and manage land and water resources on a watershed basis. This partnership program addresses risks to watershed health and aquatic ecosystems to ensure integrity and protection of Manitoba watersheds.
- Provided annual grants to support operations and programming in water quality, surface water management, drinking water protection, water retention, soil conservation, wildlife habitat, and public education programs promoting improvements to watershed health and resilience. Watershed Districts established 710 cubic decametres of water storage capacity, installed 28.1 kilometres of riparian area fencing limiting more than 2,200 head of cattle from waterways, sealed 108 abandoned wells, and hosted 55 demonstration and project tours with 5,300 participants.
- Provided \$6.4 million in grants to 14 Watershed Districts, including Assiniboine West (\$703K), Central Assiniboine (\$408K), East Interlake (\$300K), Inter-Mountain (\$782K), Kelsey (\$155K), Northeast Red (\$620K), Pembina Valley (\$605K), Redboine (\$338K), Seine Rat Roseau (\$378K), Souris River (\$440K), Swan Lake (\$225K), West Interlake (\$225K), Westlake (\$378K), and Whitemud (\$810K).
- Expanded the Northeast Red Watershed District and further expanded the Pembina Valley and Redboine Watershed Districts.
- Provided \$50K in watershed management planning grants: \$25K each to Northeast Red and Pembina Valley Watershed Districts for the first generation Brokenhead River Integrated Watershed Management Plan and second generation Pembina River Integrated Watershed Management Plan, respectively.
- Provided direction and oversight for annual budgets and activities of each Watershed District based on provincial legislation, regulation, and policy.

12.4(e) Watershed Districts and Planning Assistance

Expenditures by Sub-Appropriation	Actual	Authority 2022/23		Variance	Expl. No.
	2022/23 \$ (000s)	FTEs	\$(000s)	Over/(Under) \$ (000s)	
Grant Assistance	6,417	-	6,443	(26)	
Total Sub-Appropriation	6,417	-	6,443	(26)	

Water Stewardship Initiatives

Sub-Appropriation Description

Builds capacity for managing Manitoba's water resources and implementing practices that will maintain, protect, or improve water including fisheries, water quality, aquatic habitat, drinking water, and climate change adaptation.

Key Results Achieved

- Supported the Lake Winnipeg Research Consortium's ship the MV Namao.
- Provided support to protect Manitoba's waters from activities in upstream jurisdictions and provide input to transboundary water issues between the US and Canada through boards and initiatives including engaging stakeholders in water governance. Provided funds to the Prairie Provinces Water Board, the Red River Basin Commission, the Assiniboine River Basin Initiative, and Partners for the Saskatchewan River Basin.

12.4(f) Water Stewardship Initiatives

Expenditures by Sub-Appropriation	Actual	Authority 2022/23		Variance	Expl. No.
	2022/23 \$ (000s)	FTEs	\$(000s)	Over/(Under) \$ (000s)	
Salaries and Employee Benefits	80	-	56	24	
Other Expenditures	415	-	420	(5)	
Total Sub-Appropriation	495	-	476	19	

Costs Related to Capital Assets (Non-Voted)

Description

The appropriation provides for the amortization and interest expense related to capital assets.

12.5 Costs Related to Capital Assets

Description	Actual 2022/23 \$ (000)s	Authority 2022/23 \$ (000)s	Variance Over/Under \$ (000)s	Expl. No.
(a) General Assets				
(1) Amortization Expense	3,973	946	3,027	1
(b) Infrastructure Assets				
(1) Amortization Expense	5,903	6,258	(355)	
	9,876	7,204	2,672	

Explanation:

1. Over-expenditure is due to pending transfer of amortization related to Wildfire assets (BA25).

Other Key Reporting

Departmental Risk

Environment and Climate provides leadership in risk analysis through its Comptrollership framework and by creating a risk management culture that facilitates assessment and management of risk. Risk is managed for policy, operations, human resources, financial, legal, health and safety, environment and reputation within a legislative environment, both in regards to the probability of occurrence and degree of damage and strategies for mitigating or minimizing potential situations.

A continuous, proactive, and systematic process is undertaken to ensure that decisions support the achievement of organizational corporate objectives. This enterprise approach ensures that accidents and unexpected losses are minimized.

The department manages its risks under the guidance of its comptrollership plan and all aspects of the central government Manitoba Risk Management Policy. The department must: a) emphasize loss prevention, loss reduction and risk transfer methods; b) identify risks thoroughly; c) identify strategies to mitigate or minimize risk; and d) receive appropriate approval. Specific activities are identified in the department comptrollership framework to meet risk management responsibilities, as follows:

- Conduct educational sessions with all staff on the importance of risk mitigation and management, including specific methods to reduce risks.
- Analyze department activities to ensure risk is managed and reduced, including financial and non-financial risk
- Conduct audits and reviews of financial and non-financial activities to ensure risk management policies and procedures are being conducted.
- Look for opportunities to continuously improve risk mitigation and reduction frameworks and procedures, and implement change accordingly.

Through fiscal year 2022/23, the Department undertook the following specific activities toward managing its risks.

Risk	Activities taken to reduce / remove risk
Organizational culture including values and attitudes – risk of issues in this area include low employee engagement, unmotivated employees, higher rates of absenteeism and high employee turnover.	The Deputy Minister communicates through emails with all staff to inform of the department’s mandate and priorities. Management and the executive team meets regularly to discuss departmental topics, priorities and mandate of the department; and, how branches can proactively work together. The Deputy Minister leads these gatherings.
Adherence to operational, financial, and human resource policies – risk of issues in this area include employees not adhering to policies that could cause financial or reputational risk to government	Management reviews work of employees to ensure accuracy. Independent staff in Finance and Shared Services Division conduct periodic audits of financial policies. New staff are trained on policies through on the job coaching from staff and through comptrollership and general orientation mandatory training courses.
Clarity of roles, responsibilities and mandates - risk of issues in this area include staff not understanding their roles and responsibilities, duplication of efforts, inefficiencies in work, and stress on staff	Written manuals are prepared and along with broader procedures, guidelines; and, government-wide policies are published on the department and central government intranet sites. An organization chart is made available for staff on the intranet site to provide more detail on department structure.
Appropriate segregation of duties risk of issues in this area include lack of segregation of duties which results in asset misappropriation, risk of fraud and errors	Finance and Shared Services Division ensures SAP roles are provided to staff in a way that fosters segregation of duties. Meetings of financial staff across the department fosters understanding for all staff in finance roles on the importance of ensuring segregation of duties. Periodic audits by independent staff in Finance and Shared Services Division looks for assurance of segregation of duties. Concerns that are identified help inform further education and remedial efforts.

Regulatory Accountability and Red Tape Reduction

Regulatory requirements

	April 1, 2022	March 31, 2023
Total number of regulatory requirements	73,455	67,412
Net change	-	-7
Percentage change	-	-0.01%

- 'Total number of regulatory requirements' includes transfers of regulatory requirements in and out of the department in 2022/23.
- 'Net change' includes the changes (sum of decreases and increases) in regulatory requirements undertaken by the department in 2022/23 and is net of transfers of regulatory requirements in and out of the department.
- 'Percentage change' includes percentage changes in regulatory requirements undertaken by the department in 2022/23 and is net of transfers of regulatory requirements in and out of the department.

The Public Interest Disclosure (Whistleblower Protection) Act

The Public Interest Disclosure (Whistleblower Protection) Act came into effect in April 2007 and amended in 2018 gives employees a clear process for disclosing concerns about significant and serious matters (wrongdoing) in the Manitoba public service, and protects employees who make those disclosures from reprisal. The act builds on protections already in place under other statutes, as well as collective bargaining rights, policies, practices and processes in the Manitoba public service.

Wrongdoing under the act may be: contravention of federal or provincial legislation; an act or omission that endangers public safety, public health or the environment; gross mismanagement; or knowingly directing or counseling a person to commit a wrongdoing. The act is not intended to deal with routine operational or administrative matters.

A disclosure made by an employee in good faith, in accordance with the act, and with a reasonable belief that wrongdoing has been, or is about to be, committed is considered to be a disclosure under the act, whether or not the subject matter constitutes wrongdoing. All disclosures receive careful and thorough review to determine if action is required under the act, and must be reported in a department’s annual report in accordance with Section 29.1.

The following is a summary of disclosures received by Manitoba Environment and Climate for fiscal year 2022/2023.

Information Required Annually (per section 29.1 of PIDA)	Fiscal Year 2022/2023
The number of disclosures received, and the number acted on and not acted on. Subsection 29.1(2)(a)	Nil
The number of investigations commenced as a result of a disclosure. Subsection 29.1 (2)(b)	Nil
In the case of an investigation that results in a finding of wrongdoing, a description of the wrongdoing and any recommendations or corrective actions taken in relation to the wrongdoing, or the reasons why no corrective action was taken. Subsection 29.1(2)(c)	Nil

Equity and Diversity Benchmarks

Manitobans are best served by a public service that is inclusive and representative of the diverse population of Manitoba at all levels of the organization, including senior management. Employment equity status is self-identified on a voluntary basis when individuals are hired into a position or at any time during their employment with Manitoba’s public service. Employment equity groups include women, Indigenous peoples, visible minorities, and persons with disabilities. This measure will capture diversity in Manitoba’s public service and in senior management.

Equity Group	Benchmarks	% Total Employees as at March 31, 2023
Women	50%	56.1%
Indigenous Peoples	16%	10.7%
Visible Minorities	13%	16.8%
Persons with Disabilities	9%	7.1%

Appendices

Appendix A – Other Reporting Entities

Other Reporting Entities (OREs) are accountable to the Minister. OREs are directly or indirectly controlled by government as prescribed by the Public Sector Accounting Board.

The following OREs form part of the department’s consolidated results:

Efficiency Manitoba

The mandate as set out in The Efficiency Manitoba Act (in force as of January 25, 2018) is to:

- Implement and support demand-side management initiatives to meet the savings targets and achieve any resulting reductions in greenhouse gas emissions in Manitoba;
- Achieve additional reduction in the consumption of electrical energy or natural gas – including resulting reductions in the demand for electrical power – if the reductions can be achieved in a cost-effective manner;
- Mitigate the impact of rate increases and delay the point at which capital investments in major new generation and transmission projects will be required by Manitoba Hydro to serve the needs of Manitobans; and
- Promote and encourage the involvement of the private sector and other non-government entities in the delivery of its demand-side management initiatives.

For more information, please visit: <https://efficiencymb.ca>.

Manitoba Hazardous Waste Management Corporation

The Manitoba Hazardous Waste Management Corporation’s principal objective is to develop and maintain a Manitoba hazardous waste management system that both preserves and enhances quality of the environment in the province. This is a fundamental element of the provincial government policy of fostering universal environmental stewardship and sustainable economic development in Manitoba.

Appendix B - Statutory Responsibilities

Any statutes that are not assigned to a particular Minister are the responsibility of the Minister of Justice, as are any amendments to Acts. The department of Environment and Climate operates under the authority of the following acts of the Continuing Consolidation of the Statutes of Manitoba:

- The Biofuels Act (B 40)
- The Climate and Green Plan Act (C 134)
- The Contaminated Sites Remediation Act (C 205)
- The Dangerous Goods Handling and Transportation Act (D 12)
- The Drinking Water Safety Act (D 101)
- The Energy Act (E 112)
- The Efficiency Manitoba Act (E 15)
- The Environment Act (E 125)
- The Gas Pipeline Act (G 50)
- The Gas Allocation Act (G 52)
- The Greater Winnipeg Gas Distribution Act (S.M. 1988-89, c. 40)
- The Groundwater and Water Well Act [except as it relates to the planning, construction, or operation of provincial water control works] (G 110)
- The Manitoba Hazardous Waste Management Corporation Act (H 15)
- The Ozone Depleting Substances Act (O 80)
- The High-Level Radioactive Waste Act (R 10)
- The Renewable Energy Jobs Act (R 85)
- The Waste Reduction and Prevention Act (W 40)
- The Water Power Act [except as it relates to the planning, construction, or operation of provincial water control works] (W 60)
- The Water Protection Act (W 65)
- The Water Resources Conservation Act (W 72)
- The Water Rights Act [except as it relates to the planning, construction, or operation of provincial water control works] (W 80)
- The Watershed Districts Act (W 95)

In addition, policies specific to departmental programs are documented in the General Manual of Administration and various Manitoba government catalogues and publications.

Glossary

Alignment – The process of enabling all employees to see how their day-to-day actions are consistent with the values of the organization and how living those values is contributing to overall success. Creating alignment ensures employees are working toward the common goal, or vision.

Appropriation – amount voted by the Legislative Assembly approving the maximum amount that may be expended on a specific program or major activity during a fiscal year.

Main Appropriation – the total amount of each resolution passed by the Legislative Assembly as reported in the printed estimates of expenditure.

Sub Appropriation – the total amounts applicable to the various breakdowns of the main appropriations in the printed estimates of expenditure.

Authority – In the financial tables throughout this report, represents the authorized votes approved by the Legislative Assembly in the Estimates of Expenditure (budget) as well as any changes (if applicable) as a result of government reorganizations, allocations from Enabling Appropriations, or and virement transfers between Main appropriations within the department. For a full reconciliation of the Printed Estimates of Expenditure to the Authority please see the Expense Summary by Appropriation report in the Report on the Estimates of Expenditure and Supplementary Information.

Balanced Scorecard – is an established integrated strategic planning and performance measurement framework. Implementation of Balanced Scorecards in the Manitoba government is a major initiative that is intended to strengthen the alignment of department level work with government priorities, improve accountability and transparency, and to deliver better outcomes for Manitobans.

Baseline – The starting data point for the performance measure.

Borrowings – Borrowings are securities issued in the name of the province to capital markets investors. Securities include debentures, treasury bills, promissory notes, medium-term notes and Manitoba Savings Bonds.

Full-Time Equivalent (FTE) – A measurement for number of positions. Every full-time regular position represents one full-time equivalent position. Other categories (ex.: term, departmental, seasonal, contract) are measured in proportional equivalents, ex: a program with a vote of 1.50 term FTE could hire staff in any combination that results in a total of one-and-one-half years (or 78 weeks) of employment (ex: 6 staff for 3 months (13 weeks) each; 2 staff for 9 months (39 weeks) each; 1 full-time and 1 half-time staff for 1 year; 3 half-time staff for 1 year; etc.).

Government Reporting Entity (GRE) – Includes core government and Crown organizations, government business entities and public sector organizations such as regional health authorities, school divisions, universities and colleges.

Grants – Public money provided to an individual, organization or another government to assist in attaining their objectives and for which the government does not receive a good or service.

Gross Domestic Product (GDP) – Represents the total market value of all final goods and services produced in the Manitoba economy.

Guarantees – The province, in the normal course of business, may provide a guarantee to honour the repayment of debt or loans of an organization, primarily GBEs. Such a guarantee is provided on the Manitoba Hydro Savings Bonds.

Interfund Activity – Public Sector Accounting Standards adjustments including Health and Education Levy and Employee Pension and Other Contributions, attributed to the entire department.

Key Initiatives – These are the specific programs, activities, projects, or actions an organization will undertake to meet performance targets. Initiatives are often projects or events that aim to improve a process or an outcome in one of the four perspectives.

Measure – A measure is a standard used to evaluate and communicate performance against expected results. Measures are normally quantitative in nature, capturing numbers, dollars, percentages, and so on. Reporting and monitoring measures helps an organization gauge progress toward effective implementation of strategy.

Mission Statement – A mission statement defines the core purpose of the organization — why it exists, and reflects employees’ motivations for engaging in the organization’s work. Effective missions are inspiring, long-term in nature, and easily understood and communicated.

Objective – The objective is a concise statement describing the specific things an organization must do well to execute its strategy. Objectives often begin with an action verb such as increase, reduce, improve, or achieve. Strategy Maps are comprised entirely of objectives. “Strengthen respect in our workplace” is an example of an objective.

Other Reporting Entity (ORE) – Reporting organizations in the GRE such as Crown corporations, government agencies, government business entities and public sector organizations such as regional health authorities, school divisions, universities and colleges that are directly or indirectly controlled by the government, as prescribed by Public Sector Accounting Board – excludes core government.

Perspective – In balanced scorecard language, perspective refers to a category of performance objectives. The standard four perspectives are: Quality of Life, Working Smarter, Public Service and Value for Money.

Special Operating Agencies (SOA) – Service operations within departments granted more direct responsibility for results and increased management flexibility needed to reach new levels of performance. SOAs embrace market disciplines of the private sector while adhering to the public policy imperatives of government. Annual business plans define financial goals and performance targets. SOAs have the ability to raise capital outside of the Consolidated Fund.

Strategy – This represents the broad priorities adopted by an organization in recognition of its operating environment and in pursuit of its mission. Situated at the centre of the balanced scorecard system, all performance objectives and measures should align with the organization’s strategy.

Strategy Map – The strategy map is a one-page visual representation of what must be done well to execute strategy. Strategy maps reflect performance objectives spanning the four perspectives, combining to tell the organization’s strategic story.

Target – The target presents the desired result of a performance measure. They provide organizations with feedback about performance.

Values – Values represent the deeply-held beliefs of the organization, which are demonstrated through the day-to-day behaviours of all employees. An organization’s values make an open proclamation about how it expects everyone to behave. Values should endure over the long-term and provide a constant source of strength for an organization.

Virement – Refers to a transfer of authority between operating expenditure appropriations within a department.

Vision – The vision serves as the guiding statement for the work being done. A powerful vision provides everyone in the organization with a shared image of the desired future. It should answer why the work being done is important and what success looks like.