

**Sustainable Development Innovations Fund**  
**Fonds des innovations de développement durable**  
**Manitoba**

**Annual Report**  
**2015-2016**

**Rapport annuel**  
**2015-2016**

**Manitoba** 

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Online version available at <http://www.gov.mb.ca/conservation/annual-reports/sdif/index.html>



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**MINISTER OF  
SUSTAINABLE DEVELOPMENT**

Legislative Building  
Winnipeg, Manitoba, CANADA  
R3C 0V8

Her Honour the Honourable Mrs. Janice C. Filmon, C.M., O.M.  
Lieutenant-Governor of Manitoba  
Room 235  
Winnipeg, Manitoba  
R3C 0V8

Your Honour:

I am pleased to present you with the Annual Report for Sustainable Development  
Innovations Fund for the period of April 1, 2015 to March 31, 2016.

Sincerely,

*“Original signed by”*

Cathy Cox  
Minister of Sustainable Development







## Sustainable Development

Deputy Minister  
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The Honourable Cathy Cox  
Minister  
Sustainable Development  
314 Legislative Building  
Winnipeg, Manitoba R3C 0V8

Dear Minister Cox:

I am pleased to present the Annual Report of the Sustainable Development Innovations Fund (SDIF) for the 2015-2016 fiscal year.

Mandated under *The Sustainable Development Act*, the Fund's purpose is to contribute to Manitoba's environmental sustainability, while considering the economy, human health and social well-being. The Fund achieves its purpose through targeted funding initiatives and programs, implemented through an application of proposal process.

During 2015-2016, the SDIF provided grant funding for innovative projects and supported other significant initiatives that contributed to the province's environmental sustainability.

The Fund continues to support Manitoba communities which benefit from research and studies, educational initiatives, technology development and application, environmental improvements, and resource conservation and protection.

Sincerely,

*"Original signed by"*

Fred Meier  
Deputy Minister





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# PREFACE

## Purpose

In 1989, the provincial government created the Environmental Innovations Fund under *The Environment Act*. The Environmental Innovations Fund was repealed from *The Environment Act* in 1992/1993 and the Sustainable Development Innovations Fund (SDIF) was established under Section 17(1) of *The Sustainable Development Act*, which came into force on July 1, 1998.

As stated in *The Sustainable Development Act*, the purpose of the Fund, is to “provide grants in support of innovative projects, activities, research and developments that further the sustainability of Manitoba’s economy, environment, human health and social well-being and support environmentally sustainable economic growth; and support any other sustainable development innovation purpose that the Lieutenant Governor in Council considers necessary or advisable”.

The goal of the SDIF is to contribute to Manitoba’s environmental sustainability. This approach indirectly takes into account the economy, human health and social well-being. The SDIF achieves its purpose through targeted funding initiatives and programs, implemented through an application or proposal process. These designated programs align with departmental priorities, as well as other government initiatives. The SDIF supports Manitoba based projects or projects that will be of benefit to Manitoba and contribute to meeting the objectives of the SDIF:

1. To support and promote innovation in the environmental and sustainable development industries.
2. To encourage environmentally sound decisions and actions.
3. To promote research and demonstration of new initiatives not addressed by existing programs.
4. To stimulate economic development and diversification that will improve the quality of life, and strengthen community identity, throughout Manitoba.
5. To demonstrate new approaches to prevent waste and pollution, and conserve resources.
6. To support activities that may benefit both the global and local environment.

The SDIF’s funding initiatives and departmental and government strategic priorities contribute towards the protection, enhancement, conservation, or rehabilitation of Manitoba’s environment. Funding support is provided for the development, implementation and promotion of innovative environmentally sustainable projects delivered by local government and provincial government departments, business and industry, community and youth groups, Aboriginal organizations, First Nation communities and educational institutions. Programs help address various environmental issues, including:

- waste reduction and prevention;
- climate change;
- aquatic invasive species prevention, and
- natural resource conservation.

## Source of Revenue

The amount appropriated to the SDIF through the annual Estimates process is notionally linked to the anticipated revenues derived from Environmental Protection Taxes (EPT) on alcohol beverage containers and from the Provincial Sales Tax (PST) on the Environmental Handling Charges (EHC).

## Communication

The Fund is promoted through the following activities:

- On the department website;
- Community events, trade shows, exhibitions, and speaking engagements;

- News releases;
- Acknowledgement in publications, printed material, and signage of supported projects;
- Listings in various funding directories;
- Provincial government offices and staff;
- Word of mouth.

### **Process and Fund Management**

The Climate Change and Air Quality Branch, in partnership with the Comptrollership, Grant Accountability & Contract Review Section, provides overall management and administrative support to the Fund, including responding to inquiries and reporting.

The Branch manages the Waste Reduction and Pollution Prevention (WRAPP) Fund and the Manitoba Climate Change and Action Fund (MCCAF). The Aquatic Invasive Species Program and Bear Smart Initiative are managed by the Wildlife and Fisheries Branch, while the Manitoba Forestry Association Private Land Resource Planning Program is managed by the Forestry and Peatlands Management Branch.

The Waste Reduction and Pollution Prevention (WRAPP) Fund uses an application or proposal process. Applications or proposals submitted for funding consideration are evaluated against the funding program's criteria. The evaluations are compiled and summarized and then submitted for review to an Advisory Committee, comprised of representatives from provincial government departments.

The WRAPP Advisory Committee reviews the proposals and the evaluations and makes funding recommendations to the Minister or delegated Minister. The Minister has delegated approval authority for projects receiving funding of \$25,000 or less. Projects to be awarded funding in excess of \$25,000 are subject to Treasury Board approval.

Projects requesting support are assessed against the following criteria:

- addresses one or more of the priority areas;
- demonstrates measurable progress towards achieving one or more of the Fund's objectives;
- promotes a sustainable approach, has clear environmental benefits, and takes into account benefits to the community and the economy;
- involves youth;
- has written support and has identified other financial or in-kind project support;
- has a realistic budget and uses appropriate resources to conduct the project;
- has a distinct start and finish, and will be implemented in a timely fashion;
- will be conducted in Manitoba or benefit Manitoba;
- has a clear, concrete plan for future use, sharing or replication.

Ineligible applications and funding requests include:

- projects that will result in proprietary knowledge which will be held exclusively by the grant recipient;
- applications for debt financing or cost recovery purposes;
- purchase of playground and recreational equipment;
- purchase of real property, including land, buildings or vehicles;
- ongoing administration and established operational budgets; and
- initiatives that must be undertaken as a result of a government order, such as removal of petroleum distribution systems, investigations and remediation.

Manitobans are major beneficiaries of the Fund with the intended direct impact of the funded projects being on the natural environment. By supporting environmentally sound and sustainable practices, the Fund assists with facilitating behavioural changes of individuals, households, businesses and institutions.

## **HIGHLIGHTS**

During 2015-2016 the SDIF supported projects and programs under the following categories:

- 1. Targeted Funding Initiatives**
  - Manitoba Climate Change Action Fund (MCCAF)
  - Waste Reduction and Pollution Prevention (WRAPP) Fund
  
- 2. Departmental and Government Strategic Priorities**
  - Aquatic Invasive Species Program
  - Bear Smart Initiative
  - Private Land Resource Planning Program
  - Sustainability Initiatives
  - Special Initiatives

In 2015-16 approximately \$3.9 million was expended under the SDIF. Under the Targeted Funding Initiatives, a total of 15 projects were awarded grant funding expending \$368,000.00. Projects funded under this category included key initiatives that continue to deliver Beyond Kyoto action items through impacts and adaptation activities, climate change education programming, and waste reduction and pollution prevention activities.

A summary of expenditures under the Fund's Targeted Funding Initiatives and Departmental and Government Strategic Priorities is presented on the following pages.

## **TARGETED FUNDING INITIATIVES**

### **Manitoba Climate Change Action Fund:**

A total of \$200,000.00 was expended during the 2015-16 fiscal year for two key initiatives funded under the Manitoba Climate Change Action Fund (MCCAF). MCCAF priority areas include education and outreach, impacts and adaptation, and sustainable transportation.

### **Waste Reduction and Pollution Prevention Fund:**

A total of \$168,000.00 was expended during the 2015-16 fiscal year for 13 projects funded through the Waste Reduction and Pollution Prevention (WRAPP) Fund. A total of \$377,500 was recovered from Green Manitoba, Waste Reduction and Recycling Support WRARS Program to additionally support these projects. WRAPP Fund priority areas include organic waste management and composting; education and information; construction, renovation and demolition waste management; integrated waste management system development and planning; and pollution prevention.

# PRÉFACE

## But

En 1989, le gouvernement provincial a créé le Fonds des innovations environnementales en vertu de la *Loi sur l'environnement*. Après la révocation des dispositions de la *Loi* s'y rapportant en 1992-1993, on a établi le Fonds des innovations de développement durable en vertu du paragraphe 17(1) de la *Loi sur le développement durable*, qui est entrée en vigueur le 1<sup>er</sup> juillet 1998.

Comme cela est énoncé dans la *Loi sur le développement durable*, le Fonds a pour objectif « de verser des subventions à l'appui de projets, d'activités, de programmes de recherche et de développement innovateurs qui améliorent le caractère durable de l'économie, de l'environnement, de la santé et du bien-être social au Manitoba et encouragent une croissance économique respectueuse de l'environnement; et de favoriser tout autre objectif en matière de développement durable innovateur que le lieutenant-gouverneur en conseil juge approprié ».

Le but du Fonds est de contribuer à la durabilité environnementale du Manitoba. Cette approche prend indirectement en compte l'économie, la santé et le mieux-être social. Le Fonds atteint son but au moyen d'initiatives et de programmes de financement ciblés, qui sont mis en œuvre au moyen d'un processus de demande ou de proposition. Ces programmes désignés sont conformes aux priorités du ministère ainsi qu'à d'autres initiatives du gouvernement. Le Fonds soutient les projets mis en œuvre au Manitoba, ou les projets qui sont à l'avantage de la province et qui contribuent à remplir les objectifs suivants du Fonds :

1. appuyer et promouvoir l'innovation dans les secteurs de l'environnement et du développement durable;
2. favoriser les décisions et les mesures respectueuses de l'environnement;
3. promouvoir la recherche et la mise à l'essai de nouvelles initiatives ne faisant pas partie des programmes existants;
4. favoriser le développement et la diversification de l'économie afin d'améliorer la qualité de vie et de renforcer l'identité collective partout au Manitoba;
5. présenter de nouveaux moyens d'éviter le gaspillage et la pollution et de conserver les ressources;
6. soutenir les activités pouvant être avantageuses pour l'environnement à l'échelle mondiale et locale.

Les initiatives de financement du Fonds et les priorités stratégiques du ministère et du gouvernement contribuent à la protection, à l'amélioration, à la conservation et à la réhabilitation de l'environnement au Manitoba. Un soutien financier est accordé pour l'élaboration, la mise en œuvre et la promotion de projets novateurs et écologiquement durables exécutés par les administrations municipales, les ministères du gouvernement provincial, les entreprises et l'industrie, les groupes communautaires et les groupes de jeunes, les organismes autochtones, les collectivités des Premières Nations et les établissements d'enseignement. Les programmes aident à aborder diverses questions relevant de l'environnement, y compris :

- la réduction et la prévention des déchets;
- le changement climatique;
- la prévention des espèces aquatiques envahissantes;
- la conservation des ressources naturelles.

## Source des recettes

Le montant revenant au Fonds établi dans les prévisions budgétaires annuelles est lié en théorie aux recettes prévues tirées des taxes destinées à la protection de l'environnement imposées sur les contenants de boissons alcoolisées, et de la taxe de vente provinciale sur les droits de manutention écologique.

## Communication

La promotion du Fonds est assurée par les moyens suivants :

- le site Web du ministère;
- les activités communautaires, les salons professionnels, les expositions et les conférences;
- les communiqués;
- les mentions dans des publications, le matériel imprimé et les affiches portant sur les projets appuyés;
- les entrées dans différents répertoires de financement;
- le personnel et les bureaux du gouvernement provincial;
- le bouche-à-oreille.

## Processus et gestion du Fonds

La Direction du changement climatique et de la qualité de l'air, en collaboration avec la Direction du contrôle financier, de la gestion des subventions et de l'examen des contrats, fournit un soutien général à la gestion et à l'administration du Fonds, notamment en répondant aux demandes et en présentant des rapports.

La Direction gère le Fonds pour la réduction du volume des déchets et la prévention de la pollution et le Fonds d'action sur le changement climatique du Manitoba. Le Programme de lutte contre les espèces aquatiques envahissantes et l'initiative Gare aux ours sont gérés par la Direction de la faune et de la pêche, tandis que le Programme de planification des ressources des terrains privés de la Manitoba Forestry Association est géré par la Direction des forêts et de la gestion des tourbières.

Le Fonds pour la réduction du volume des déchets et la prévention de la pollution utilise un processus de demandes ou de propositions. Les demandes ou les propositions soumises en vue d'un financement sont évaluées en fonction des critères de financement du programme. Les évaluations sont rassemblées et résumées avant d'être présentées pour examen au comité consultatif du Fonds, qui est composé de représentants de ministères provinciaux.

Ce comité examine les projets et les évaluations, puis formule des recommandations de financement au ministre ou à son délégué. Le ministre a reçu le pouvoir d'approuver les projets bénéficiant d'un financement maximal de 25 000 \$. Les projets devant recevoir plus de 25 000 \$ doivent être approuvés par le Conseil du Trésor.

Les projets faisant l'objet d'une demande de financement sont évalués en fonction des critères ci-dessous. Ils doivent :

- traiter d'au moins un des domaines prioritaires;
- faire état de progrès mesurables vers l'atteinte d'au moins un des objectifs du Fonds;
- favoriser une approche durable, compter des avantages environnementaux clairs et tenir compte des avantages communautaires et économiques;
- faire participer les jeunes;
- avoir reçu un appui écrit et compter une autre source de soutien financier ou de soutien en nature;
- avoir un budget réaliste et utiliser des ressources appropriées pour mener le projet à terme;
- avoir une date de commencement et une date de fin distinctes, et être mis en œuvre en temps opportun;
- être réalisé au Manitoba ou bénéficier au Manitoba;

- comprendre un plan clair et concret visant l'utilisation, la diffusion ou la reproduction à l'avenir.

Les propositions et les demandes de financement inadmissibles comprennent :

- les projets aboutissant à l'acquisition d'un savoir-faire qui sera détenu exclusivement par le bénéficiaire de la subvention;
- les demandes formulées à des fins de remboursement d'emprunt ou de recouvrement des coûts;
- l'achat de matériel récréatif ou de matériel pour terrains de jeux;
- l'achat de biens réels (p. ex. : les terrains et les bâtiments) ou de véhicules;
- l'administration permanente et les budgets de fonctionnement établis;
- les initiatives qui doivent être entreprises à la suite d'un ordre gouvernemental, comme le retrait de systèmes de distribution du pétrole, les enquêtes et la réhabilitation.

Les Manitobains sont les principaux bénéficiaires du Fonds, qui veille à ce que les projets financés aient des répercussions directes sur le milieu naturel. En appuyant des pratiques durables et respectueuses de l'environnement, le Fonds aide à favoriser les changements de comportement chez les particuliers comme dans les ménages, les entreprises et les établissements.

## **FAITS SAILLANTS**

Au cours de l'exercice 2015-2016, le Fonds des innovations de développement durable a appuyé des projets et des programmes faisant partie des catégories suivantes :

### **1. Initiatives de financement ciblées**

- Fonds d'action sur le changement climatique du Manitoba
- Fonds pour la réduction du volume des déchets et la prévention de la pollution

### **2. Priorités stratégiques du ministère et du gouvernement**

- Programme de lutte contre les espèces aquatiques envahissantes
- Initiative Gare aux ours
- Programme de planification des ressources des terrains privés
- Initiatives de développement durable
- Initiatives spéciales

Pendant l'exercice 2015-2016, environ 3,9 millions de dollars ont été dépensés au titre du Fonds. Dans le cadre des initiatives de financement ciblées, 15 projets ont reçu une subvention, ce qui représente une dépense totale de 368 000 \$. Les projets financés dans cette catégorie comprennent des initiatives clés qui assurent le suivi du plan d'action « Beyond Kyoto » grâce à des activités d'impact et d'adaptation, à des programmes d'éducation sur le changement climatique et à des activités de réduction des déchets et de prévention de la pollution.

Les pages suivantes présentent un résumé des dépenses engagées dans le cadre des initiatives de financement ciblées du Fonds et des priorités stratégiques du ministère et du gouvernement.

## **INITIATIVES DE FINANCEMENT CIBLÉES**

### **Fonds d'action sur le changement climatique du Manitoba**

Lors de l'exercice 2015-2016, la somme de 200 000 \$ a été consacrée à deux initiatives clés financées dans le cadre du Fonds d'action pour le changement climatique du Manitoba. Les domaines prioritaires visés par le Fonds comprennent l'éducation et la diffusion, l'impact et l'adaptation, ainsi que le transport durable.

### **Fonds pour la réduction du volume des déchets et la prévention de la pollution**

Lors de l'exercice financier 2015-2016, la somme de 168 000 \$ a été consacrée à 13 projets financés par le Fonds pour la réduction du volume des déchets et la prévention de la pollution. Une somme totalisant 377 500 \$ a été récupérée de Manitoba vert et du Fonds d'aide à la réduction du volume et au recyclage des déchets afin d'offrir davantage de soutien à ces projets. Les domaines de priorité du Fonds sont la gestion des déchets biologiques et le compostage, l'éducation et la diffusion de renseignements, la gestion des déchets de construction, de rénovation et de démolition, l'élaboration et la planification de systèmes de gestion intégrée des déchets et la prévention de la pollution.

## **DEPARTMENTAL AND GOVERNMENT STRATEGIC PRIORITIES**

### **Aquatic Invasive Species Program:**

A total of \$39,967.38 was expended during the 2015-16 fiscal year to support the Aquatic Invasive Species (AIS) Program, whose primary goal is to slow and/or prevent the introduction and spread of aquatic invasive species, including zebra mussels, in Manitoba.

### **Bear Smart Initiative:**

A total of \$21,300.86 was expended during the 2015-16 fiscal year to support the Bear Smart Initiative in Manitoba, whose primary goal is to prevent human-bear conflicts.

### **Private Land Resource Planning Program:**

A total of \$170,000.00 was expended during the 2015-16 fiscal year to support the Manitoba Forestry Association's Private Land Resource Planning Program, whose primary goal is to encourage private landowners in Manitoba to use Agro-forestry and woodlot management practices to diversify farm income and maintain wildlife habitat.

### **Sustainability Initiatives:**

A total of \$2,410,000.00 was expended and recovered by the department during the 2015-16 fiscal year to support departmental commitments including, but not limited to, the International Institute for Sustainable Development, to continue the promotion and integration of the principles and practices of sustainable development within and between the public, private, and voluntary sectors on a national and international basis; and the Manitoba Habitat Heritage Corporation, to provide operating funds for the delivery of the North American Waterfowl Management Plan in Manitoba.

### **Special Initiatives:**

A total of \$870,014.31 was expended during the 2015-16 fiscal year for the Newspaper Recycling Agreement, which supports the newspaper industry stewardship obligations to Multi-Material Stewardship Manitoba (MMSM) for packaging and printed paper; as well as other initiatives including improvements to all-terrain-vehicle recreational trails in southeast Manitoba; a literature review and analysis of carbon storage estimates for Manitoba's boreal forests; an international moose conference; a film on the importance of forests worldwide; a workshop on wildfire preparedness; the Manitoba Burrowing Owl Recovery Program; and the Manitoba Breeding Bird Atlas project.



**Table 1: Summary of SDIF Supported Projects and Programs**

<b>Project Categories</b>	<b>Number of Projects Allocated Funding in 2015/16</b>	<b>Amount Expended</b>
<b>1. Targeted Funding Initiatives</b>		
Manitoba Climate Change Action Fund (MCCAF)	2	\$200,000.00
Waste Reduction and Pollution Prevention (WRAPP) Fund	13	\$168,000.00
<b>Total</b>	<b>15</b>	<b>\$368,000.00</b>
<b>2. Departmental and Government Strategic Priorities</b>		
Aquatic Invasive Species Program		\$39,967.38
Bear Smart Initiative		\$21,300.86
Private Land Resource Planning Program		\$170,000.00
Sustainability Initiatives		\$2,410,000.00
Special Initiatives <ul style="list-style-type: none"> <li>• Newspaper Recycling Agreement</li> <li>• Other Special Initiatives</li> </ul>		\$793,014.31 \$77,000.00
<b>Total</b>		<b>\$3,511,282.55</b>
<b>Grand Total for SDIF</b>	<b>15</b>	<b>\$3,879,282.55</b>

**TARGETED FUNDING INITIATIVES**  
**DETAILED LISTING OF PROJECTS ALLOCATED**  
**FUNDING DURING THE 2015/16 FISCAL YEAR**

**MANITOBA CLIMATE CHANGE ACTION FUND**

**Administering Branches:** Climate Change and Air Quality  
**Date Approved:** 2015/2016 Estimates  
**Total Amount Expended:** \$200,000.00

The Manitoba Climate Change Action Fund (MCCAF) continued to support initiatives to reduce greenhouse gas (GHG) emissions in targeted sectors consistent with the goals for protecting the environment while ensuring a prosperous and environmentally conscious economy. Annual funding support was provided to two key initiatives under priority areas of education and outreach and impacts and adaptation.

Brief descriptions of the initiatives supported under the MCCAF are as follows:

**CLIMATE CHANGE CONNECTION**

**Proponent:** Manitoba Eco-Network Inc.  
**Priority Area:** Education and Outreach  
**Total Amount Approved:** \$100,000.00  
**Total Amount Expended:** \$100,000.00

An annual grant of \$100,000.00 was approved to continue with Manitoba's climate change public education and outreach hub, the Climate Change Connection. The vision is to ensure Manitobans are aware of climate change facts related to Manitoba and to reduce greenhouse (GHG) emissions, both individually and as a community. Climate Change Connection acts as a clearinghouse of information, coordinates outreach, builds awareness and promotes individual and community actions to reduce greenhouse gas (GHG) emissions and promotes changes necessary to live more sustainable and climate-friendly lifestyles. Areas most likely to be impacted by climate change and sectors with significant contributions to GHG emissions in Manitoba will continue to be targeted.

Climate Change Connection continued to build a partner network and public awareness through the collection and dissemination of information on causes and effects of climate change, GHG sources, host workshops and participate in speaking engagements; and encourage active involvement through the creation or support of organized activities that get Manitobans working together to reduce GHG emissions. The Climate Change Connection was established as part of a national network of hubs responsible for climate change education and outreach coordination.

## **GHG REDUCTIONS THROUGH SUSTAINABLE TRANSPORTATION INITIATIVES**

**Proponent:** Green Action Centre  
**Priority Area:** Impacts and Adaptation  
**Total Amount Approved:** \$100,000.00  
**Total Amount Expended:** \$100,000.00

An annual grant of \$100,000.00 was approved for the coordination and delivery of climate friendly active transportation initiatives related to active transportation and green driving public education and outreach. In light of the critical importance of the transportation sector as a source of greenhouse gas (GHG) emissions in Manitoba, the Green Action Centre continued to undertake and implement strategic GHG reduction initiatives, including: Year-Round Commuter Challenge Campaigns – To help maintain a public profile for sustainable transportation year-round. A series of events and seasonal campaigns held included participant registrations and trip tracking to document impact and measure results. Workplace Commuter Challenge – To increase transportation efficiencies and reduce GHG emissions by encouraging alternatives to the use of single-occupant vehicles for commuting to and from work. Active and Safe Routes to School (ASRTS) – To implement key strategies that will provide a safe alternative for children walking to and from school, reducing GHG emissions associated with motor vehicle use by promoting safe, supervised and non-motorized travel for children.

## WASTE REDUCTION AND POLLUTION PREVENTION (WRAPP) FUND

**Administering Branches:** Climate Change and Air Quality  
Comptrollership, Grant Accountability and Contract Review  
**Date Approved:** 2015/2016 Estimates  
**Total Amount Expended:** \$168,000.00

The WRAPP Fund continued to be an integral program for supporting waste reduction and pollution prevention activities in Manitoba, as municipalities, businesses, communities and other organizations continued to seek alternative ways to manage waste materials and protect the environment.

The WRAPP Fund supported projects in the following areas: construction, renovation and demolition waste management; education and information; integrated waste management system development and planning; organic waste management and composting; and waste reduction and pollution prevention.

<b>Total Allocation for 2015/16</b>	
Applications Processed	29
Applications Approved under WRAPP	13
Total Amount for Grants Expended	\$545,500.00
Total Amount Recovered from Green Manitoba, WRARS Program	\$377,500.00
Total WRAPP Allocation Expended	\$168,000.00

Brief descriptions of the 13 projects supported under the WRAPP Fund are as follows:

## EDUCATION AND INFORMATION

### WASTE REDUCTION SERVICES

**Proponent:** Green Action Centre  
**Date Approved:** July 25, 2012  
**Total Amount Approved:** \$300,000.00  
**Total Amount Expended:** \$100,000.00

An annual grant of \$100,000.00 was approved to support Waste Reduction Services, including Environmental Information Services, the Compost Action Project, Environmental Speakers Bureau (ESB), and the coordination and promotion of Waste Reduction Week (WRW). Support to the Green Action Centre assists in the maintenance of core services, such as research, resource material development, and volunteer coordination for projects and services. The Compost Action Project focuses on education, consultation, referral, training and the provision of resources that target residential, as well as institutional and commercial organic wastes, and those who either produce or manage these streams of organics. The ESB provides environmental education support for schools on sustainability issues which include educational materials and classroom presentations on waste minimization and pollution prevention, water conservation, climate change, energy, and other related topics. WRW promotes waste reduction activities throughout Manitoban communities, businesses and schools. As the organizing agency in Manitoba, the Green Action Centre coordinates the flow of information and materials between the national Waste Reduction program and Manitoba participants, and distributes waste reduction information to schools, municipalities, and businesses in Manitoba.

# **INTEGRATED WASTE MANAGEMENT SYSTEM DEVELOPMENT AND PLANNING**

## **BALER PROJECT**

**Proponent:** Boissevain Recycling  
**Date Approved:** March 18, 2016  
**Total Amount Approved:** \$25,000.00  
**Total Amount Expended:** \$25,000.00

A grant of \$25,000.00 was approved to enhance the facility's capabilities to meet demand for recycling services in the region. The current recycling facility does not have the size nor the capability to accommodate the types of equipment needed for shipping large bales of recyclable materials for processing. A new 11,200 square foot building is being constructed which will be equipped with a new baler that will aid in reducing volunteer manual labour and handling of materials. A larger facility will also be able to handle the increased volume of recyclable materials collected on a regional basis, improve material processing time, as well as provide more space for sorting and storing of materials.

## **ELECTRONIC WASTE AND OIL WASTE STORAGE**

**Proponent:** Mossey River Municipality  
**Date Approved:** January 5, 2016  
**Total Amount Approved:** \$5,000.00  
**Total Amount Expended:** \$5,000.00

A grant of \$5,000.00 was approved to enhance the Municipality's recycling and waste reduction programming through increased diversion of electronic and used oil waste from the landfill. An "eco-depot" will be established at one central site in the Municipality where designated recyclable materials can be collected and stored until a sufficient amount has been collected for pick up or delivered to a recycler. The "eco-depot" will consist of a C-can container that will have doors at both ends and a dividing wall to separate the storage of collected materials. The Municipality will develop a satisfactory and accessible site with proper signage for the collection and storage of designated waste materials.

## **MAKING RECYCLING SECOND NATURE**

**Proponent:** University of Manitoba  
**Date Approved:** January 5, 2016  
**Total Amount Approved:** \$10,000.00  
**Total Amount Expended:** \$10,000.00

A grant of \$10,000.00 was approved to upgrade the University's current waste and recycling collection system to ensure a consistent system is in place throughout the University's campuses. The current four stream waste collection system will be redesigned into two collection streams with additional collection stations created. A pre and post-upgrade waste audit will be conducted and a communication and promotional plan for the system upgrade and roll out throughout the University will be implemented.

## RECYCLING BALER PROJECT

**Proponent:** Rural Municipality of St. Laurent  
**Date Approved:** March 18, 2016  
**Total Amount Approved:** \$23,000.00  
**Total Amount Expended:** \$23,000.00

A grant of \$23,000.00 was approved to enhance recycling capabilities, reduce manual handling of recyclables, and reduce transportation costs associated with diverting recyclable materials from landfill, with the purchase of a baler. Currently, recyclable materials are collected in large bags and transported to recycling processing facilities in Winnipeg three times per month. It is expected that baling recyclable materials will reduce the number of trips to once a month, thereby reducing transportation costs, as well as handling of recyclable materials.

## WABOWDEN WASTE DISPOSAL SITE LONGEVITY

**Proponent:** Wabowden Community Council  
**Date Approved:** October 26, 2015  
**Total Amount Approved:** \$10,000.00  
**Total Amount Expended:** \$10,000.00

A grant of \$10,000.00 was approved to enhance and increase the community's recycling rates. In consultation with Multi-Material Stewardship Manitoba, the community will develop and implement a recycling plan that will identify activities that will best increase the amount of materials collected and recycled, reduce the amount of waste disposed at landfill, and increase resident and business participation in recycling efforts.

## ORGANIC WASTE MANAGEMENT AND COMPOSTING

### CITY OF BRANDON COMPOST SCREENER

**Proponent:** City of Brandon  
**Date Approved:** October 26, 2015  
**Total Amount Approved:** \$150,000.00  
**Total Amount Expended:** \$150,000.00

A grant of \$150,000.00 was approved to assist the City's composting facility with a compost screener to help remove undesirable materials such as plastic bags, large branches, and rocks from the compost it produces from leaf and yard waste, green bin materials and manure, and to help blend compost with soil. The City has been collecting organics from a community depot system and a curbside pickup program and had been leasing a screener once a year to remove contaminants from the compost it produces. It is intended that with a permanent compost screener, the City will be able to process more compost material for internal use and marketing.

## CITY OF WINNIPEG ORGANICS DIVERSION STRATEGY

**Proponent:** City of Winnipeg  
**Date Approved:** October 26, 2015  
**Total Amount Approved:** \$100,000.00  
**Total Amount Expended:** \$100,000.00

A grant of \$100,000.00 was approved to support the City of Winnipeg's *Organics Diversion Strategy and Implementation Plan*. The *Strategy* will identify the different streams of organic materials managed by the City and will outline strategies for diverting these materials. The *Strategy* will consider single family, multi-family, institutional, commercial, and industrial, as well as construction and demolition wastes, with a primary focus on the single family sector, including a source-separated organics program. In addition, a *Waste Audit and Characterization Study*, focusing on the composition of waste generated by the various sectors in the City, and a *Compost Market Study*, focusing on identifying reasonable compost markets and providing recommendation on the best disposition of market-ready compost material, will also be undertaken.

## COMPOST SERVICE SOCIAL ENTERPRISE

**Proponent:** Green Action Centre  
**Date Approved:** October 26, 2015  
**Total Amount Approved:** \$25,000.00  
**Total Amount Expended:** \$25,000.00

A grant of \$25,000.00 was approved to demonstrate the viability of a compost pick-up service for commercial, institutional and multi-family residential customers in Winnipeg, while promoting social enterprise development. Having earlier completed a study demonstrating the feasibility of a compost service in Winnipeg, the organization intends to complete a business plan that will address various business components to ensure the sustainability of the project; set up a limited version of the compost service and gradually refine the operational details and increase customer base; and develop a promotion, marketing and recognition program.

## FORTWHYTE ALIVE COMMERCIAL COMPOSTING PROJECT

**Proponent:** FortWhyte Alive  
**Date Approved:** October 26, 2015  
**Total Amount Approved:** \$50,000.00  
**Total Amount Expended:** \$50,000.00

A grant of \$50,000.00 was approved to help expand an existing composting program by partnering with neighbouring businesses, residents and other interested partner organizations to process organic waste. The project is expected to enhance the organization's composting capacity, as well as offer an opportunity to diversify the FortWhyte Farms social enterprise through the creation of a new revenue stream and programming area for the youth-led co-operative business Harmony Honey.

## MORDEN CORN & APPLE FESTIVAL WASTE DIVERSION PROJECT

**Proponent:** Morden Corn & Apple Festival Inc.  
**Date Approved:** October 26, 2015  
**Total Amount Approved:** \$10,000.00  
**Total Amount Expended:** \$10,000.00

A grant of \$10,000.00 was approved to support the collection of organic waste produced by vendors and visitors during the annual festival with a goal of diverting up to 90% or more of the organic waste from landfill. To achieve this goal, 100 64-gallon green carts will be placed in strategic locations throughout the festival to collect organic waste. Organic material collected will be composted to high quality marketable standards with the intent of marketing the finished product to local nursery retailers. The green carts will complement the blue recycling carts that have been previously established in the festival to gather recyclable materials.

## POLLUTION PREVENTION

### GREENING MANITOBA'S HOTEL INDUSTRY

**Proponent:** Manitoba Hotel Association  
**Date Approved:** February 24, 2015  
**Total Amount Approved:** \$25,000.00  
**Total Amount Expended:** \$25,000.00

A grant of \$25,000.00 was approved to help support the Green Key Program, which is a voluntary program for hotels that wish to improve their environmental performance and showcase their environmental commitment to their guests and potential guests. Activities to promote the program will include a series of information sessions regarding the program, and the incentives and benefits available to hotels when they participate, as well as waste-related workshops on waste audits and on sharing best practices for organic waste management and recycling.

### TRASH TO TREASURES

**Proponent:** ArtsJunktion mb  
**Date Approved:** February 24, 2015  
**Total Amount Approved:** \$12,500.00  
**Total Amount Expended:** \$12,500.00

A grant of \$12,500.00 was approved to support a project that will involve collecting reusable waste items from local businesses, sorting and storing the materials, and hiring local artists to conduct art workshops in order to teach people how to use these reclaimed materials in the production of art. The project encourages businesses to re-route their reusable materials and thus reduce waste management services costs; materials will be diverted from landfill; and people's awareness on how to utilize them as art materials will be increased. In addition, to better monitor the amount of materials being diverted and reused, weigh scales will be purchased for the facility.



# DEPARTMENTAL AND GOVERNMENT STRATEGIC PRIORITIES 2015/2016 FISCAL YEAR PROGRAM RESULTS

## AQUATIC INVASIVE SPECIES PROGRAM

**Administering Branch:** Wildlife and Fisheries  
**Date Approved:** 2015/2016 Estimates  
**Total Amount Expended:** \$39,967.38

Aquatic invasive species (AIS) can severely impact aquatic resources and can have significant economic costs to Manitoba. They can aggressively invade, alter aquatic habitats, threaten native fish species and valuable recreational resources. AIS, such as Zebra Mussels pose a tangible threat with irreversible consequences to Manitoba with anticipated, negative implications on tourism, industry and municipalities.

The Aquatic Invasive Species (AIS) program was designed to prevent the introduction of AIS and slow the spread of aquatic invasive species within the province. Unlike a terrestrial environment, once AIS establish, they cannot be eradicated. As such, prevention is the best defense as the AIS program aims to offset or delay financial costs associated with dealing with AIS, such as Zebra and Quagga mussels and invasive carp.

Despite efforts to eradicate Zebra Mussels in the south basin of Lake Winnipeg in 2014, Lake Winnipeg is being invaded by the invasive mussel. Zebra Mussels have been found in the south basin, channel and north basin of the lake. In addition, sampling of the Manitoba portion of the Red River in June 2015 confirmed Zebra Mussel presence. Then in October 2015, Zebra Mussels were confirmed in Cedar Lake by Grand Rapids, Manitoba. Thus to date, three Manitoba water bodies are being invaded by Zebra Mussels.

Manitoba is extremely vulnerable to invasion by new AIS given the movement of live bait and the large number of trailered watercraft transported into to province. To the south, Manitoba is in close proximity to other notable AIS threats such as Quagga Mussels and three species of invasive carp (formally called Asian carp). Quagga Mussels are found in South Dakota whereas, invasive carp are found in North Dakota and Minnesota.

### **Goal and Objectives:**

The primary goals of the AIS program are to 1) prevent the introduction of new AIS into Manitoba and 2) prevent/sever the spread of AIS such as Zebra Mussels from invaded Manitoban water bodies. Five main pillars have been identified as the key components to the AIS program which work in concert with each other. The pillars are prevention, containment, monitoring, communications, legislation and enforcement.

The program continued to focus on containing the spread of Zebra Mussels from Lake Winnipeg, the Red River and Cedar Lake. Monitoring is used to determine the spread and rate of establishment of Zebra Mussels. Introduction of aquatic invasive species legislation under the provincial *Water Protection Act* and federal AIS regulations under the federal *Fisheries Act* provide regulatory tools to assist in the containment and further introduction of AIS. Required provisions under the provincial AIS legislation should assist in minimizing the further spread of AIS in Manitoba. These primary goals are dependent on the successful communication of the threats AIS pose and collective actions everyone must take to minimize the spread of AIS. These goals were achieved through the following objectives:

1. To educate, inspect and survey trailered watercraft and water-based equipment users at high-traffic boat access sites to Lake Winnipeg and the Red River by the Watercraft Inspection program. The program attempts to educate and change the behaviours of Manitobans so they learn to “Clean, Drain, Dry and Dispose” to prevent the introduction and spread of AIS in Manitoba.
2. To actively participate in on-going monitoring to determine the 1) spread and rate of establishment of Zebra Mussels within Lake Winnipeg, 2) movement of Zebra Mussels to other water bodies and

therefore potential to respond early with eradication and control measures, 3) spread and establishment of Spiny Water flea in Lake Winnipeg by continuing to collect samples from the research vessel the M.V. Namao.

3. To organize, create educational information, and provide presentations on AIS and the program goals at public events, stakeholder groups and angling tournaments throughout the year; a booth at the Mid-Canada Boat Show, the Winnipeg Fish Festival and various tradeshow and conferences; advertisement placements in publications (for example: Manitoba Angler's Guide and Manitoba Hunting Guide), as well as placements of online ads and other media sources.
4. To create provincial AIS legislation and provide "informational" sessions on the proposed meetings on proposed regulations.
5. To work with neighbouring U.S. states and provincial jurisdictions to ensure a collaborated approach towards increasing knowledge and capacity relating to AIS.
6. To establish and implement a sharing partnership MOU with British Columbia, Alberta, Saskatchewan, Yukon and Manitoba to support invasive species efforts with an initial focus on AIS.
7. To work with provincial enforcement to promote AIS awareness and enforce the provincial AIS regulations.

#### **Program Results 2015/16:**

The Watercraft Inspection program was continued with a focus on containing the spread of Zebra Mussels from Lake Winnipeg and the Red River by educating watercraft owners and intercepting risk of spread by inspecting water-related equipment at high traffic boat access areas to Lake Winnipeg and the Red River. 2015 marked the fifteenth consecutive year conducting this program.

In 2015, ten watercraft inspectors were hired to operate the Watercraft Inspection Program. Funding from the SDIF was used to support two to three watercraft inspectors.

Results the 2015/16 AIS program include:

- Inspection of 4,260 watercraft with 284 watercraft being decontaminated. The 2015 Watercraft Inspection program ran full-time from late May to the end of August then continued on a part-time basis from September to mid-October.
- Aquatic Invasive Species Legislation (Bill 12) under *The Water Protection Act* and associated regulations were developed and came into force on November 2, 2015.
- Boater advisory fact sheets were developed to provide guidance on the steps boaters can take to reduce the establishment of Zebra Mussels in watercraft motors. As well fact sheets on the new AIS legislation were developed. The AIS website was redeveloped to act as a hub for aquatic invasive species information. The website provides current information on ways to prevent the spread of AIS, weekly media updates on the status and distribution of Zebra Mussels and the whereabouts of the Watercraft Inspection Program, and program results. All materials developed identify Manitoba's toll free number and website to report an AIS sighting or to get AIS program information.
- The establishment and magnitude of the Zebra Mussel invasion within Lake Winnipeg was monitored by taking veliger samples, setting substrate samplers and physically checking infrastructure including navigational buoys.

## BEAR SMART INITIATIVE

**Managing Branch:** Wildlife and Fisheries  
**Date Approved:** 2015/2016 Estimates  
**Total Amount Expended:** \$21,300.86

The *Bear Smart* Initiative continued to support activities that focus on proactive prevention to reduce conflicts with black bears. When people practice *Bear Smart* principles, bears are less likely to become food conditioned and human habituated, thereby enhancing public safety, reducing property damage and the frequency of human-black bear encounters.

The initiative also continued a shift toward a broader approach to prevention and mitigation of human conflicts with all wildlife species, with messaging to “Keep the Wild in Wildlife”. As cottage and acreage development, as well as human activity expands further into wildlife habitat, the frequency and intensity of negative human-wildlife interactions is expected to increase. Black bears and other wildlife sometimes cause damage to crops, livestock, and other property. On rare occasions, they may also be a threat to human safety. Minimizing conflict between humans and wildlife will result in fewer wild animals needlessly being destroyed. In many cases, undertaking prevention measures for potential black bear conflicts will also prevent conflicts with other wildlife species.

An estimated 33,000 black bears live in Manitoba. The population continues to be stable. The variability in human-bear conflict is largely influenced by the density and recruitment of bears in response to natural food availability, along with the level of bear presence and nuisance activity that the public is willing to tolerate. In 2015/16, over 1,300 black bear conflict occurrences were reported to district offices.

*Be Bear Smart* Initiative priorities include:

- conducting education and awareness through public outreach programming, including highway traffic and pedestrian signs, posters, booklets, brochures, advertisements, website and workshops;
- identifying effective strategies to encourage *Bear Smart/ Wildlife Smart* behavior over the long-term;
- showcasing positive outcomes to Manitoba communities, including the installation of necessary infrastructure for bear-proofing initiatives; and
- implementing bear-proofing initiatives in provincial parks and other high use outdoor recreational areas.

### Program Results 2015/16

- Two magazine advertisements were published to remind people of ways to reduce bear-human conflicts during the summer and fall, the time of year when bears are preparing for hibernation.
- Promotional materials were distributed to assist in getting the *Bear Smart* message out to the public, through posters, booklets, tattoos, hats, shirts, aprons and children’s activity books.
- Parks and Natural Areas Branch interpretive staff continued to play an important role in the delivery of the *Bear Smart* message. *Bear Smart* presentations were delivered to approximately 1,207 park visitors across Manitoba. Interpretive events focused on areas where the potential for conflicts with black bears are likely to occur and included: Birds Hill, Grand Beach, Whiteshell, Spruce Woods, St. Malo and Hecla/Grindstone Provincial Parks. Many of these events involved amphitheatre presentations, guided walks, family and school presentations and inspections in campgrounds at camp sites.
- The *Bear Smart* display was exhibited at the Cottage Country Show in Winnipeg, the Intermountain Conservation District Water Festival in Ethelbert, and at Cabela’s in Winnipeg, with over 3,000 individual contacts made.
- *Be Bear Smart* workshops and wildlife encounter training workshops were delivered to several agencies.
- *Be Bear Smart* activity booklets continued to be distributed throughout the province. The booklet is a very popular educational tool for all ages, and children can remit the completed booklets to Parks and Natural

Areas for various rewards. It is also available on the website for public access to print. Over 1,500 were distributed in 2015.

- Bear-resistant storage bins were purchased for use in back-country campsites within the Eastern Region of the province. Back-country campers store their attractants in these bins, which prevents food-conditioning of black bears and other wildlife and thereby increases camper safety in these remote areas.
- Metal and coroplast signage was purchased to advise the public “Roadside Feeding of Wildlife Prohibited” along provincial roads and highways. New provincial regulations were recently implemented to prevent this practice and thereby reduce the likelihood of roadside conflicts that can result: vehicle collisions with wildlife or other vehicles, euthanizing wildlife that becomes injured or a threat to people, and property damage.

# PRIVATE LAND RESOURCE PLANNING PROGRAM

**Managing Branch:** Forestry and Peatlands Management  
**Date Approved:** 2015/16 Estimates  
**Total Amount Expended:** \$170,000.00

Funding is allocated annually to the Manitoba Forestry Association to administer and deliver the Private Land Resource Planning (PLRP) program. The woodlot program was enhanced in 2011 to address woodlot owner concerns, funding partner needs and consideration of new and emerging program areas. The program is continuously improved upon with stakeholder input, assessment of other woodlot programs and emerging trends related to forest certification, carbon accounting and ecological goods and services.

The PLRP program continued to promote the wise management of private lands while meeting the needs of the landowners. The program focuses on preserving and/or enhancing natural biodiversity and assists landowners by promoting multi-land use benefits including harvesting, water quality, wildlife enhancement, tree planting (reforestation and afforestation), climate change (carbon sinks), and economic development, such as non-timber forest products, recreation and tourism. The program, together with the private land resource plans, will ensure landowners are provided with the most current, comprehensive educational tools pertaining to private land management available so they may manage their woodlots sustainably.

## **Program Results 2015/16**

The PLRP program delivers private land forest activities in three main areas: Resource Planning, Training and Extension, and Forestry Services in combination with professional development through staff training and workshop/conference attendance.

### Resource Planning

- 11 Resource Management Plans
- 1 Tree Planting Plan

### Training and Extension

- 3 Workshops
- 1 Presentation
- 2 Conference Booths
- Extension – response to forest health and pest inquiries, market information, tree planting (species selection, site preparation, planting, maintenance, etc.), and forest management

### Forestry Services

- 1 Forestry Service

### Professional Development

- 6 Conferences/Workshops attended

### National Forest Week

- Qualico Tree Planting
- Community Tree Planting

**APPENDIX I -  
Five Year Project Summary**

**Sustainable Development Innovations Fund  
 Five Year Expenditure Summary (\$000)  
 For years ending March 31, 2012- March 31, 2016**

APPROPRIATION	Actual/Adjusted Expenditures				
	2011/12	2012/13	2013/14	2014/15	2015/16
Sustainable Development Innovations Fund	3,337.0	3,058.0	3,400.0	3,399.0	3,879.0
<b>Total</b>	3,337.0	3,058.0	3,400.0	3,399.0	3,879.0