

Sustainable Development Innovations Fund
Fonds des innovations de développement durable
Manitoba

Annual Report
2014-2015

Rapport annuel
2014-2015

Manitoba 

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**MINISTER OF
CONSERVATION AND WATER STEWARDSHIP**

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 the Sustainable Development Innovations Fund for the period of April 1, 2014 to March 31, 2015.

Respectfully submitted,

“Original signed by”

Tom Nevakshonoff
Minister of Conservation and Water Stewardship





Conservation and Water Stewardship
Deputy Minister
Room 332 Legislative Building
Winnipeg, Manitoba, Canada R3C 0V8

The Honourable Tom Nevakshonoff
Minister of Conservation and Water Stewardship
330 Legislative Building
Winnipeg, Manitoba
R3C 0V8

Dear Minister:

I am pleased to present the Annual Report of the Sustainable Development Innovations Fund (SDIF) for the 2014-2015 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 2014-2015, 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.

Respectfully submitted,

"Original signed by"

Grant Doak
Deputy Minister



TABLE OF CONTENTS

<u>TITLE</u>	<u>PAGE</u>
PREFACE	2
PRÉFACE	5
TARGETED FUNDING INITIATIVES:	
- MANITOBA CLIMATE CHANGE ACTION FUND (MCCAF)	10
- WASTE REDUCTION AND POLLUTION PREVENTION (WRAPP) FUND	12
DEPARTMENTAL AND GOVERNMENT STRATEGIC PRIORITIES:	
- AQUATIC INVASIVE SPECIES PROGRAM	20
- BEAR SMART INITIATIVE	22
- WOODLOT/PRIVATE LAND RESOURCE PLANNING PROGRAM	24
APPENDIX I FIVE YEAR PROJECT SUMMARY	25

PREFACE

Organization of Report

The format of the Sustainable Development Innovations Fund (SDIF) 2014-15 Annual Report is similar to previous Annual Reports in that funded projects are presented by category and program areas.

Purpose

In accordance with *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 Conservation and Water Stewardship 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:

- Conservation and Water Stewardship 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 Environmental Programs and Strategies Branch, in partnership with the Comptrollership, Grant Accountability and Contract Review section, of Conservation and Water Stewardship provide 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 branches respectively, while the Manitoba Forestry Association Woodlot/Private Land Resource Planning Program is managed by the Forestry Branch.

The Waste Reduction and Pollution Prevention (WRAPP) Fund uses an application or proposal process. Applications or proposals submitted for funding consideration are evaluated by staff 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 Advisory Committee reviews the proposals and the evaluations and makes funding recommendations to the Minister of Conservation and Water Stewardship 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 behavioral changes of individuals, households, businesses and institutions.

HIGHLIGHTS

During 2014-2015 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
 - Woodlot/Private Land Resource Planning Program
 - Sustainability Initiatives
 - Special Initiatives

In 2014/15, approximately \$3.4 million was expended under the SDIF. Under the Targeted Funding Initiatives, a total of 23 projects were awarded grant funding expending \$350,000.00. 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 2014/15 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 (WRARS):

A total of \$150,000.00 was expended during the 2014/15 fiscal year for 21 projects funded through the Waste Reduction and Pollution Prevention (WRAPP) Fund. A total of \$536,000.00 was recovered from Green Manitoba, WRARS Program to support additional projects. WRAPP Fund priority areas include organic waste management and composting; construction, renovation and demolition (CR&D) waste management; education and information; model integrated waste management system development and planning; regional recycling and waste reduction; and pollution prevention.

PRÉFACE

Structure du rapport

La structure du rapport annuel 2014-2015 du Fonds des innovations de développement durable est semblable à celle des rapports précédents : les projets financés sont présentés par domaine de programmes et par catégorie d'attribution.

But

Conformément à 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 viabilité de l'environnement du Manitoba. Cette approche prend indirectement en compte l'économie, la santé et le bien-être social. Le Fonds atteint son but au moyen d'initiatives et de programmes de financement ciblés, auxquels on peut accéder au moyen d'un processus de demandes ou de propositions. Ces programmes désignés sont conformes aux priorités de Conservation et Gestion des ressources hydriques Manitoba, 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 du Fonds suivants :

1. appuyer et promouvoir l'innovation dans les secteurs de l'environnement et du développement durable;
2. encourager des prises de décision et l'adoption de 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 notre identité collective partout au Manitoba;
5. adopter 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 viables menés 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 contribuent au règlement de diverses questions dans le domaine 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.

Sources de 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

On fait la promotion du Fonds au moyen :

- du site Web de Conservation et Gestion des ressources hydriques;
- de manifestations communautaires, de salons professionnels, d'expositions et de conférences;
- de communiqués;
- de mentions dans des publications, de matériel imprimé et d'enseignes des initiatives soutenues;
- d'entrées dans différents répertoires de financement;
- du personnel et des bureaux du gouvernement provincial;
- du bouche à oreille.

Processus et gestion du Fonds

Relevant du ministère de la Conservation et de la Gestion des ressources hydriques, la Direction des stratégies et des programmes environnementaux, en collaboration avec la section du contrôle financier, de la gestion des subventions et de l'examen des contrats, fournit un soutien à la gestion et à l'administration générales 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 la Direction de la pêche, respectivement, tandis que le Programme de planification des ressources des terrains privés est géré par la Direction des forêts.

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 par le personnel en fonction des critères de financement du programme. Les évaluations sont rassemblées et résumées puis soumises à un examen par un comité consultatif composé de représentants des ministères provinciaux.

Le comité consultatif examine les propositions et les évaluations et fait des recommandations relatives au financement au ministre de la Conservation et de la Gestion des ressources hydriques ou au ministre 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 demandant un soutien doivent répondre aux critères suivants :

- traiter d'au moins un des domaines prioritaires;
- faire état des progrès mesurables relativement à 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 en nature;
- avoir un budget réaliste et utiliser des ressources appropriées pour mener le projet à terme;
- avoir une date de commencement et de fin distinctes, et être mis en œuvre en temps opportun;
- être réalisé au Manitoba ou bénéficier au Manitoba;
- avoir un plan clair pour être utilisé, communiqué ou répété dans l'avenir.

Les propositions et les demandes de financement inadmissibles comprennent :

- les projets dont le savoir-faire privatif serait la propriété exclusive du bénéficiaire de la subvention;
- les demandes présentées à des fins de service de la dette ou de recouvrement de coûts;

- les achats de terrains de jeux et d'équipement récréatif;
- les achats de biens réels, y compris les biens-fonds, les immeubles ou les 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 les mesures de réparation.

Les Manitobains et les Manitobaines 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 respectueuses de l'environnement ayant un effet durable, le Fonds aide à favoriser les changements de comportement, aussi bien chez les particuliers que les ménages, les entreprises et les établissements.

FAITS SAILLANTS

Pendant l'exercice 2014-2015, le Fonds a appuyé des projets et des programmes dans les 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

En 2014-2015, environ 3,4 millions de dollars ont été dépensés au titre du Fonds des innovations de développement durable. Vingt-trois projets ont reçu une subvention dans le cadre des initiatives de financement ciblées, totalisant 350 000 \$. Les projets financés dans cette catégorie comprennent des initiatives clés qui assurent le suivi du plan d'action « Au-delà de Kyoto » grâce à des activités de répercussions et d'adaptation, à des programmes d'éducation au changement climatique et à des activités de réduction des déchets et de prévention de la pollution.

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

DEPARTMENTAL AND GOVERNMENT STRATEGIC PRIORITIES

Aquatic Invasive Species Program:

A total of \$59,341.04 was expended during the 2014/15 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 \$25,463.70 was expended during the 2014/15 fiscal year to support the Bear Smart Initiative in Manitoba, whose primary goal is to prevent human-bear conflicts.

Woodlot/Private Land Resource Planning Program:

A total of \$170,000.00 was expended during the 2014/15 fiscal year to support the Manitoba Forestry Association's Woodlot/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 Conservation and Water Stewardship during the 2014/15 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 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 \$384,415.25 was expended during the 2014/15 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, in line with a 1993 government commitment; for the installation of a marine septic and sewage pump-out facility at Silver Harbour Marine Resort; Recycling and Waste Reduction discussion document public consultations; and Non-essential Pesticide Initiative consultations.

Table 1: Summary of SDIF Supported Projects and Programs

Project Categories	Number of Projects Allocated Funding in 2014/15	Amount Expended
1. Targeted Funding Initiatives		
Manitoba Climate Change Action Fund (MCCAF)	2	\$200,000.00
Waste Reduction and Pollution Prevention (WRAPP) Fund	21	\$150,000.00
Total	23	\$350,000.00
2. Departmental and Government Strategic Priorities		
Aquatic Invasive Species Program		\$59,341.04
Bear Smart Initiative		\$25,463.70
Woodlot/Private Land Resource Planning Program		\$170,000.00
Sustainability Initiatives		\$2,410,000.00
Special Initiatives:		
- Newspaper Recycling Agreement		\$337,765.25
- Recycling and Waste Reduction Consultation		\$15,000.00
- Non-essential Pesticide Initiative		\$7,900.00
- Silver Harbour Marine Resort		\$23,750.00
Total		\$3,049,219.99
Grand Total for SDIF		\$3,399,219.99

TARGETED FUNDING INITIATIVES

DETAILED LISTING OF PROJECTS ALLOCATED

FUNDING DURING THE 2014/15 FISCAL YEAR

MANITOBA CLIMATE CHANGE ACTION FUND

Administering Department: Conservation and Water Stewardship
Date Approved: 2014/2015 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 outlined in *Tomorrow Now*, Manitoba's Green Plan 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 will continue 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 will continue 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. This series of events and seasonal campaigns include 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 Department: Conservation and Water Stewardship
Date Approved: 2014/2015 Estimates
Total Amount Expended: \$150,000.00

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; waste reduction services, model integrated waste management system development and planning; organic waste management and composting; and regional recycling; and waste reduction and pollution prevention.

An annual budget within the WRAPP Fund allocation supports administration costs, as well as activities related to the development and implementation of the branch's priority areas.

Total Allocation for 2014/15	
Applications Processed	33
Applications Approved under WRAPP	21
Total Amount for Grants Expended	\$686,000.00
Total Amount Recovered from Green Manitoba, WRARS Program	(\$536,000.00)
Total WRAPP Allocation Expended	\$150,000.00

Brief descriptions of the 21 projects supported under the WRAPP Fund are as follows:

CONSTRUCTION, RENOVATION AND DEMOLITION WASTE MANAGEMENT

APPLICATION OF ECO-FRIENDLY SOIL STABILIZER FOR CLAY SUBGRADE

Proponent: Antex Western Ltd.
Date Approved: August 22, 2014
Total Amount Approved: \$40,000.00
Total Amount Expended: \$40,000.00

A grant of \$40,000.00 was approved to implement a full scale demonstration project on the use of a soil stabilizer in a commercial heavy traffic road application. The soil stabilizer is created by combining post-consumer and post-commercial waste materials, such as crushed glass, carpet fibre, and other waste and agricultural by-products. The use of the soil stabilizer was demonstrated in a pathway construction pilot project along Bishop Grandin Boulevard. The project intends to divert materials from landfill, create a market, as well as, create a recycling/manufacturing facility in Manitoba, while addressing long-standing problems - roadway, pathway and sidewalk heaving and cracking.

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 over three fiscal years 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 various 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.

MODEL INTEGRATED WASTE MANAGEMENT SYSTEM DEVELOPMENT AND PLANNING

ASPHALT SHINGLE RECYCLING DEPOT

Proponent: Town of Altona
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 install an asphalt shingle recycling depot, consisting of tipping face structure and loading facility, within the Altona waste disposal grounds. The installation of the depot is part of a waste management plan the Town is undertaking in preparation for the eventual move to Class 1 waste disposal ground designation.

BIRDS HILL PROVINCIAL PARK RECYCLING AND WASTE ENHANCEMENT

Proponent: Birds Hill Provincial Park
Approval Date: August 22, 2014
Total Amount Approved: \$50,000.00
Total Amount Expended: \$50,000.00

A grant of \$50,000.00 was approved to implement two phases of a 3 phase plan that will see the replacement of waste and recycling bins with upgraded containers in the campground and around the newly constructed beach, to improve the efficiency of both waste and recycling collection and disposal.

DEVELOPING A STRATEGY TO INCREASE DIVERSION OF WOOD WASTE FROM LANDFILL

Proponent: Manitoba Environmental Industries Association
Date Approved: February 24, 2015
Total Amount Approved: \$12,000.00
Total Amount Expended: \$12,000.00

A grant of \$12,000.00 was approved to conduct a study to provide an overview of strategies to increase the diversion of wood waste from the landfill in Manitoba. The study is designed to rank options for diverting wood waste (for reuse, recycling, and energy production), identifying existing companies and infrastructure to handle waste wood, summarizing new potential options and technologies, and estimating the feasibility of these options. The study intends to present opportunities to develop new businesses, expand existing enterprises and create new jobs, while helping achieve waste diversion goals for wood waste.

ECO CENTRE REGIONAL RECYCLING

Proponent: Eco Centre Committee (ECC)
c/o Rural Municipality of St. Clements
Date Approved: August 22, 2014
Total Amount Approved: \$25,000.00
Total Amount Expended: \$25,000.00

A grant of \$25,000.00 was approved to develop a business plan and programming to provide a full scale recycling collection system and services for rural communities in the Interlake region. The collection system will include a combination of site collection containers, curbside pickup for higher population areas, coordinated collection events and a regional one-stop recycling depot and processing facility to be located in Selkirk, Manitoba. Once operational, rural Manitobans will be provided with solutions to solid waste management concerns, including recycling of blue box materials, construction, renovation and demolition waste (CR&D) and organic waste diversion. The initiative will be undertaken in three phases; with an ultimate goal of achieving zero waste within the catchment area. It is proposed that 15 or more rural municipalities will take part in this initiative.

IMPLEMENTATION OF AN FRP RECYCLING PROGRAM TO GENERATE RECYCLATE FOR A DIRECT INDUSTRIAL APPLICATION

Proponent: Composites Innovation Centre
Date Approved: August 22, 2014
Total Amount Approved: \$40,000.00
Total Amount Expended: \$40,000.00

A grant of \$40,000.00 was approved to conduct a pilot project for the recycling of FRP (fiber-reinforced plastic) scrap. The project involves the collection of scrap material from the local composites industry to the sorting, transportation, delivery, and grinding of the material at a recycling facility. The process involves the purchase of a grinder for recycling the scrap FRP, and its installation at the Antex Western facility to facilitate local grinding of Manitoba scrap for their products, while minimizing or eliminating the importation of materials. To sustain FRP recycling capacity, staff will be trained in operating the equipment, scrap material supply chain for the pilot test will be secured; and Antex Western Inc. will process scrap materials into potential viable recyclate. The project intends to divert FRP scrap from the landfill and process it into viable recyclate from where prospective commercial or industrial users can develop new product streams.

MOOSE LAKE PROVINCIAL PARK TRANSFER STATION WASTE CONTAINER BINS

Proponent: Moose Lake Provincial Park
Approval Date: March 6, 2014
Total Amount Approved: \$20,000.00
Total Amount Expended: \$20,000.00

A grant of \$20,000.00 was approved to improve and enhance waste management and recycling services at the provincial park by expanding the number of recycling and waste containers at the Moose Lake Provincial Park Transfer Station.

PORTABLE LOADING RAMP

Proponent: The Pas & Area Recycling Centre
Date Approved: August 22, 2014
Total Amount Approved: \$10,000.00
Total Amount Expended: \$10,000.00

A grant of \$10,000.00 was approved to enhance The Pas & Area Recycling Centre's operations to meet the increasing demand of recycling activities from The Pas and surrounding communities, including Opaskwayak Cree Nation, RM of Kelsey, Wanless, Rocky Lake, Cranberry Portage, Sherridon, Snow Lake, Cormorant, Clearwater Lake, and Pukatawagon. Enhancing operational and production efficiencies will enable more recyclable products to be processed and allow for recycling services to be expanded to additional northern Manitoba communities.

RECYCLING TRAILER

Proponent: Prairie View Municipality/Town of Birtle
Date Approved: August 22, 2014
Total Amount Approved: \$10,000.00
Total Amount Expended: \$10,000.00

A grant of \$10,000.00 was approved to provide a mobile recycling station for Foxwarren townsite residents. The Foxwarren landfill site is being decommissioned; therefore, a recycling trailer will allow for continued recycling services for the residents of Foxwarren. Recyclables collected will be transferred to the Birtle landfill site where materials will be segregated, baled and shipped to various markets.

ST. JOSEPH THE WORKER SCHOOL YARD IMPROVEMENTS

Proponent: St. Joseph the Worker School Inc.
Date Approved: July 21, 2014
Total Amount Approved: \$10,000.00
Total Amount Expended: \$10,000.00

A grant of \$10,000.00 was approved to demonstrate the use of recycled rubber materials at the play-area of the school. The existing limestone play-area will be upgraded with 100% recycled pour-in rubber top for the area, which is intended to provide a safer play environment for the students, as well as for the community children, who utilize the area.

ST. THERESA POINT FIRST NATION SOLID WASTE CLEANUP AND RECYCLING

Proponent: St. Theresa Point First Nation
Date Approved: August 22, 2014
Total Amount Approved: \$15,000.00
Total Amount Expended: \$15,000.00

A grant of \$15,000.00 was approved to hire a team of local workers to collect scrap vehicles and other recyclable materials from the community, including from unauthorized dumping areas, public areas and yards of individual homes. Materials will be transported to the community's scrap yard where they will be sorted and staged for transportation out of the community during the 2015 winter road season. Additionally, the project will set up clearly marked areas at the landfill for community members to drop off various recyclable materials. The project will focus on tires, vehicle batteries, white metals, and electronic devices, however, other recyclable materials will also be collected where practical. The project will be led by members of St Theresa Point First Nation, but will also service the nearby small community on St. Mary's Island.

ORGANIC WASTE MANAGEMENT AND COMPOSTING

CITY OF WINNIPEG PILOT ORGANICS PROGRAM

Proponent: City of Winnipeg
Date Approved: February 24, 2015
Total Amount Approved: \$20,000.00
Total Amount Expended: \$20,000.00

A grant of \$20,000.00 was approved to conduct an organics diversion pilot program at the Winnipeg City Hall campus as an initial step to help reduce the amount of organic waste generated from its corporate office buildings. Organic materials originating at City Hall campus, which includes the City Administration and Council buildings as well as a leased café available to the public, will be collected for composting. The pilot will assist in building a business case for the City to conduct a comprehensive corporate organics diversion program and meet new and significant waste diversion targets.

CREATING COMMUNITY SOLUTIONS THROUGH ORGANIC WASTE REDUCTION IN NORTHERN MANITOBA

Proponent: Food Matters Manitoba
Date Approved: February 24, 2015
Total Amount Approved: \$35,000.00
Total Amount Expended: \$35,000.00

A grant of \$35,000.00 was approved to expand the organization's composting education program with northern Manitoba communities. The program will initially focus on introducing waste diversion to communities that have demonstrated a desire to compost and have active community and individual gardens, as composting would be a natural fit for growing projects already underway. Further, the program will focus on ways to build on the success of these communities and introduce composting as an integral part of successful gardening when new projects are undertaken in communities that are seeking to get their growing projects off the ground. As well, the program will seek to share knowledge and inspiration with additional northern communities through its partnership in the Northern Healthy Foods Initiative.

REUSING WEED WASTE IN PARKS AND NATURAL AREAS

Proponent: City of Winnipeg, Naturalist Services Branch
Date Approved: March 6, 2014
Total Amount Approved: \$19,500.00
Total Amount Expended: \$19,500.00

A grant of \$19,500.00 was approved to conduct a composting pilot project that is intended to provide an alternative solution to the increasing amount of organic weed waste collected from natural areas and disposed of at landfill. A 3-step composting system will be implemented using a combination of brown material (composed of dried woodchip material, primarily buckthorn) and green plant waste (composed of annual weeds). These materials will be composted onsite at the Roblin public works yard. Mature compost will be tested to ensure the destruction of invasive species seeds, particularly buckthorn. Compost materials produced will be utilized in the Branch's nursery, woodchips generated by buckthorn will be used in creating nature trails in natural areas, and larger branches and stumps will be used in lining these nature trails, allowing for a full-cycle approach by returning the nutrients back to the soil.

ZERO WASTE FROM ORGANIC WASTE: PRODUCING HIGH VALUE PRODUCT AND COMPOST

Proponent: University of Manitoba
Date Approved: February 24, 2015
Total Amount Approved: \$50,000.00
Total Amount Expended: \$50,000.00

A grant of \$50,000.00 was approved to conduct a multi-phase research study focusing on the development of sustainable and cost-effective technologies to treat organic waste that will increase its diversion from landfills. The first phase of the study is to develop solid-state fermentation of food waste to produce high value products – enzymes, such as phytase, lipase, and cellulase. Research will be conducted to investigate the impact of fermentation operational conditions on the yield of enzymes; the product yield with relation to fermentation duration; and the production quantity of phytase, lipase and cellulose at different fermentation process condition. As food waste is nutrient rich, it can be used to produce high value products before they are composted, such as enzymes, proteins, flavours and biologically active secondary metabolites. These products have wide applications in the biopharmaceutical, food, bio-fuel, and animal feed industries. The outcome of the study may lead to further research and commercial opportunity to reuse food waste as substrate for value added products. Food waste contributes approximately half of the organic waste going to landfill and is a main contributor of methane gas.

POLLUTION PREVENTION

HEMP BY-PRODUCTS UTILIZATION AND DEMONSTRATION IN A GREEN BUILDING APPLICATION

Proponent: Composites Innovation Centre
Date Approved: August 22, 2014
Total Amount Approved: \$25,000.00
Total Amount Expended: \$25,000.00

A grant of \$25,000.00 was approved to demonstrate the use of agricultural residue by-products in a green building construction project in rural Manitoba. There is a significant hemp crop grown in Manitoba, and the waste or biomass (straw) remaining from the hemp plant consists of 25 to 30% fibres with the remainder a wood core (hurd). Due to the high strength properties of the fibres, there is considerable interest in using these materials for industrial and construction applications. The project intends to reduce the amount of straw burning in the field, add value to underutilized agricultural wastes, and provide alternatives to carbon sequestration.

INNOVATIVE USE OF COMPOST AND REUSE OF WOOD WASTE AS BIOCHAR AT BRADY ROAD RESOURCE MANAGEMENT FACILITY

Proponent: KGS Group
Date Approved: August 22, 2014
Total Amount Approved: \$125,000.00
Total Amount Expended: \$125,000.00

A grant of \$125,000.00 was approved to conduct a three-stage study to confirm the potential of utilizing composted yard and leaf waste as a soil-matrix with bio-char for the growth and activity of methanotrophic bacteria, to be utilized as a landfill cover at both closed and active landfills in the City of Winnipeg. Yard and leaf or biosolids compost generated by the City of Winnipeg and wood waste disposed at the City's Brady Road landfill will be utilized in the project. The first two stages of the study will involve initial bench scale testing and engineering testing, with the final stage to be undertaken as a full-scale testing on a section of a landfill cell at the Brady Road landfill. It is expected that enriching the yard and leaf compost or biosolids compost or a combination of both composts with methanotrophs prior to its use as a landfill cover will maximize the passive treatment of methane.

MOTHER EARTH RECYCLING MATTRESS AND BOX SPRINGS WASTE DIVERSION PROJECT

Proponent: Mother Earth Recycling (MER)
Date Approved: March 6, 2014
Total Amount Approved: \$24,500.00
Total Amount Expended: \$24,500.00

A grant of \$24,500.00 was approved to conduct a study to examine the potential environmental and economic benefits of establishing and operating a used mattress and box spring recycling facility in Winnipeg. Existing recycling operations will be reviewed to develop a comprehensive knowledge base of information regarding all aspects of the management of used mattresses and box springs for Winnipeg and surrounding area. Options for conducting used mattress and box spring waste diversion activities will be explored and business cases for each viable option developed. If the study proves to be viable, a high level conceptual business plan for waste diversion system for used mattresses and box springs will be developed.

RED RIVER OPERATION CLEAN UP

Proponent: Red River Operation Clean Up
Date Approved: July 21, 2014
Total Amount Approved: \$10,000.00
Total Amount Expended: \$10,000.00

A grant of \$10,000.00 was approved to expand and enhance the Red River Operation Clean Up annual waste and litter clean up of the lower Red River watershed resulting in more areas being cleaned. The operation will involve deploying approximately 80 45-gallon drums to encourage public garbage disposal, with the workers removing garbage from the drums and also those littered along the shoreline areas. The workers will operate out of the Rural Municipality of St Clements maintenance yard, and will conduct the operation throughout the summer.

UP-CYCLE

Proponent: The Wrench
Date Approved: March 6, 2014
Total Amount Approved: \$20,000.00
Total Amount Expended: \$20,000.00

A grant of \$20,000.00 was approved to expand program activities and bike repair education programming and increase the number of bicycles/parts being diverted and reclaimed from landfills across Manitoba. Communities will be engaged across Manitoba through a variety of activities, including workshops, outreach tours to northern and remote communities, and special events, intended not only to divert and reclaim used bicycles from landfills, but use them to educate the public in a way that prevents future pollution. It is expected that participants will be empowered to build and maintain their own bicycles and encouraged to contribute their knowledge and skills within the community which will result in communities benefiting from a cleaner environment.

DEPARTMENTAL AND GOVERNMENT STRATEGIC PRIORITIES

2014/2015 FISCAL YEAR PROGRAM RESULTS

AQUATIC INVASIVE SPECIES PROGRAM

Administering Department: Conservation and Water Stewardship, Fisheries Branch
Date Approved: 2014/2015 Estimates
Total Amount Expended: \$59,341.04

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. The AIS Program is designed to prevent or slow the spread of aquatic invasive species in the province. Once established, aquatic invaders are difficult to eradicate, so prevention is the best defense. The main economic objective of the AIS program is to offset or delay financial costs associated with dealing with AIS. According to the recently published Zebra and Quagga Mussel Risk Assessment conducted by Fisheries and Oceans Canada, all water bodies in the south and central portion of Manitoba including Lake Winnipeg and the Nelson River are considered at high risk for colonization by these invasive species. The exception is the Winnipeg River which is considered a low risk. It is expected Zebra mussels will have similar economic and environmental impacts as in the Great Lakes region.

Manitoba is extremely vulnerable to invasion by AIS given the large number of watercraft transported into the province. From the 2012 watercraft inspection data, 92% of trailered watercraft entering Manitoba came from jurisdictions (mainly the U.S) that have aquatic invasive species, such as Zebra and Quagga mussels, Asian Carp and Eurasian Watermilfoil that Manitoba currently does not have.

In 2013, after the discovery of Zebra Mussels in the south basin of Lake Winnipeg all other program efforts were re-focused on a rapid response protocol which included the formation of a Science Advisory Committee; delineating the magnitude and range of the infestation; implementing containment measures as required; analyzing the results to assess available management options and increased communication to the public and stakeholders.

Goal and Objectives:

The primary goal of the Aquatic Invasive Species (AIS) program is to slow and/or prevent the introduction and spread of AIS in Manitoba. With the invasion and establishment of Zebra Mussels in the south basin of Lake Winnipeg this program goal continues to focus on containing the spread from Lake Winnipeg, monitoring to determine the spread and rate of establishment, creating stronger legislation and communicating information on the threats and individual actions one can take to minimize the spread. These goals were achieved through the following objectives:

1. To educate, inspect and survey trailered watercraft and water-based gear users at high-traffic boat access sites to Lake Winnipeg, international border crossings and other high volume recreational events (e.g. derbies). The program promotes the clear message – “Clean, Drain, Dry and Dispose” to try to prevent the introduction and spread of AIS in Manitoba.
2. To actively participate in on-going monitoring to determine the 1) success of the Zebra Mussel treatment, 2) spread and rate of establishment of Zebra Mussel within Lake Winnipeg, 3) movement of Zebra Mussels to other water bodies, and therefore potential to respond early with eradication and control measures, 4) spread and establishment of Spiny Waterflea in Lake Winnipeg by continuing to collect samples from the research vessel the MV Namao.

3. To organize, create educational information, and provide presentations on AIS and its goals at public events, stakeholder groups and angling tournaments throughout the year including registrants of fishing tournaments; a booth at the Mid-Canada Boat Show, the Winnipeg Fish Festival and various tradeshow and conferences; advertisements in publications like the Manitoba Angler's Guide, the Fishing and Hunting Guide as well as online box ads and other media opportunities.
4. Create, print and distribute AIS material to key stakeholders and the general public.
5. Create stronger provincial AIS Legislation.
6. To employ students under the STEP Employment Initiative as Watercraft Inspectors.

Program Results 2014/15

Conservation and Water Stewardship continued with its AIS Inspection Program with the focus on containing the spread from Lake Winnipeg by educating watercraft owners and intercepting risk of spread by inspecting water-based equipment at high traffic boat access areas to Lake Winnipeg, the international border and high volume events. 2014 marked the fourteenth consecutive and successful year conducting this program, achieving the following:

- Over 2,800 watercraft were inspected at the Emerson Border and 136 decontaminations were required.
- Distributed AIS material such as the Zebra Mussel fact sheet outlining the steps boaters can take to prevent accidental introductions, floating key chains with the message "Stop Aquatic Invasive Species," or angling card holders with tackle-box ID cards inside which highlight 10 invasive species Manitoba is concerned about. Materials provide information on Manitoba's toll free number that can be used to report an AIS sighting or to get more information about the AIS program. The materials also promote the Clean, Drain, Dry and Dispose measures that watercraft users can take to prevent the spread of AIS such as Zebra Mussels to other waterbodies and prevent, in general, the introduction.
- Monitored the success of the Zebra Mussel treatment within the harbours and determined an in lake population within the larger south basin magnitude by taking veliger samples, setting substrate samplers and physically checking infrastructure including navigational buoys.
- Developed Bill 12, Aquatic Invasive Species Legislation under *The Water Protection Act*.

BEAR SMART INITIATIVE

Managing Department: Conservation and Water Stewardship, Wildlife Branch
Date Approved: 2014/2015 Estimates
Total Amount Expended: \$25,463.70

The *Bear Smart* Initiative continued to support activities that focus on proactive prevention to reduce conflicts with black bears. By practicing *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 began a shift toward a broader approach to prevention and mitigation of human conflicts with all wildlife species, with the introduction of 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 27,000 to 33,000 black bears live in Manitoba. The population continues to be stable in most non-agricultural areas. However, in some agro-fringe areas, the population is believed to have increased in recent times. 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 2014/15, over 1,000 black bear conflict occurrences were reported to Conservation and Water Stewardship 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 2014/15

- 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 developed to assist in getting the *Bear Smart* message out to the public, through 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 4,939 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 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 RV Show in Winnipeg, the Intermountain Conservation District Water Festival in Ethelbert, and at Cabela’s in Winnipeg, with over 5,000 individual contacts made.

- *Be Bear Smart* workshops and presentations were delivered to several educational institutions.
- *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.
- *Be Bear Smart* principles were previously incorporated in the Human-Black Bear Conflict Management Policy and Procedures, as well as, the draft Wildlife-Human Interaction Management Policy and Procedures. These policies are intended to reduce the annual number of human-wildlife conflicts and wild animals removed.
- This year, staff attendance at the Wildlife-Human Attack Response Training Workshop in Whitehorse, Yukon was facilitated through the *Bear Smart* Initiative to keep apprised of current trends and issues related to protocol development, training and response to incidents of wildlife attacks on people. This will help to ensure that Manitoba's related policies and procedures, some of which are currently being developed, incorporate the most recent scientific developments and knowledge.

WOODLOT/PRIVATE LAND RESOURCE PLANNING PROGRAM

Managing Department: Conservation and Water Stewardship, Forestry Branch
Date Approved: 2014/15 Estimates
Total Amount Expended: \$170,000.00

Funding is allocated annually to the Manitoba Forestry Association to administer the Woodlot/Private Land Resource Planning Program (PLRP). The 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 promotes the wise management of private lands while meeting the needs of the landowners. Focus is on preserving and/or enhancing natural biodiversity while assisting 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.

PLRP is the provincial delivery mechanism ensuring that Manitoba's private land forest resource is managed sustainably. It seeks to change private landowner attitudes towards the need for active forest management to ensure long term forest ecosystem health. The goal is to increase the number of actively managed woodlots, create a resource inventory and increase education and awareness of the importance of sustainable resource management. In conjunction with the delivery of resource management plans, training and extension services are also provided.

Program Results 2014/15

Private Land Resource Planning (PLRP) Program delivered 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

- 3 Resource Management Plans
- 1 Timber Assessment

Training and Extension

- 3 Workshops
- 4 Presentations
- 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

- 14 Conferences/Workshops attended

National Forest Week

- delivered seedlings to the Manitoba Legislature as a part of an annual tradition celebrating National Tree Day and National Forest Week.
- participated in tree planting coordination for Qualico Homes combined with youth education of tree planting and forestry basics.

Sustainable Slopes Program

- A partnership was formed in 2013 between the Manitoba Habitat Heritage Corporation (MHHC), Pembina Valley Conservation District and the MFA for the Sustainable Slopes program. MFA continued to provide Resource Management Plans under this initiative to everyone that enters into a conservation easement agreement with MHHC.

**APPENDIX I -
Five Year Project Summary**

**Sustainable Development Innovations Fund
 Five Year Expenditure Summary (\$000)
 For years ending March 31, 2011- March 31, 2015**

APPROPRIATION	Actual/Adjusted Expenditures				
	2010/11	2011/12	2012/13	2013/14	2014/15
Sustainable Development Innovations Fund	3,376.0	3,337.0	3,058.0	3,400.0	3,399.9
Total	3,376.0	3,337.0	3,058.0	3,400.0	3,399.9