

# Environment

## **ACCOUNTABILITY STATEMENT**

The Business Plan for the three years commencing April 1, 2002 was prepared under my direction in accordance with the *Government Accountability Act* and the government's accounting policies. All of the government's policy decisions as of February 26, 2002 with material economic or fiscal implications of which I am aware have been considered in preparing the Business Plan.

The Ministry's priorities outlined in the Business Plan were developed in the context of the government's business and fiscal plans. I am committed to achieving the planned results laid out in this Business Plan.

*[original signed]*

Lorne Taylor, *Minister of Environment*  
February 26, 2002

## **VISION**

*Alberta's environment sustains a high quality of life.*

Albertans value their environment for the ecological, economic and aesthetic benefits it provides now and will continue to provide in the future. They realize Alberta's ecosystems bestow life-sustaining services. They expect their water to be safe, their air to be clean, their land to be productive and careful decisions to be made to ensure public safety and a healthy environment for generations to come. They highly value the ability to access and enjoy the environment.

## **MISSION**

*Steward the use of and ensure the protection of our diverse environment to sustain a prosperous economy, healthy Albertans, and strong communities.*

## **STRUCTURE**

The Ministry of Environment includes the Department of Environment, the Environmental Appeal Board. Associated Delegated Administrative Organizations include the Tire Recycling Management Association of Alberta, the Beverage Container Management Board and the Alberta Used Oil Management Association.

## **PREAMBLE**

To strive for our vision and fulfill our mission, the Ministry is focused on sustainability. Sustainability is the challenge of this century. Sustainable development refers to a development path that provides for the needs of the present generation while ensuring the opportunity of future generations to have choices. At a basic level, Albertans want to continue what they do into the future and increase the ability of their children and their children's children to meet their own needs.

Through our leadership role in sustainable development, Alberta Environment is helping to lay the groundwork for a stronger economy, self-reliant communities and a legacy to pass onto future generations. Alberta Environment, however, is only one of a number of provincial ministries that partner to promote sustainable development. These partnerships support the integration of social, economic and environmental goals to ensure the sustainability of the development process that Alberta has chosen.

We believe that good environmental management and practices provide a competitive advantage for industry, communities, and Alberta. We support management practices with public information systems that industry, communities and Albertans can make informed decisions that are good for the environment.

We continue to develop and implement the Cross Ministry Sustainable Development Initiative. By consistently acting in ways that are focused on the long-term, anticipating issues, and providing Albertans the information and knowledge to act responsibly toward the environment, the Ministry actively works towards the integration of the Alberta government's goals of "People, Prosperity and Preservation".

## **PEOPLE**

Albertans will sustain health and well being through their informed environmental decisions.

## **PROSPERITY**

Alberta industry will have a competitive advantage through good environmental practices.

## **PRESERVATION**

Alberta's communities will be assured self-reliance through good stewardship of the environment and natural resources.

Our Ministry's strong emphasis on sustainable development also supports the Cross-Ministry Initiatives of Health Sustainability, Aboriginal Policy, Alberta Children and Youth and the Economic Development Strategy.

## **CORE BUSINESSES, GOALS AND STRATEGIES**

To achieve our mission, the Ministry has the following core businesses: Environmental Leadership, Environmental Assurance, Environmental Stewardship, Hazard and Risk Management and Strategic Business Services.

**Environmental Leadership:** The Ministry builds and enhances proactive relationships with Albertans. We strive for real change that ensures environmental quality for present and future generations. Alberta Environment's leadership vision is expressed through sustainable development policy and long-term adaptive management.

**Environmental Assurance:** The Ministry provides certainty to Albertans that the environment is being managed in a safe and sustainable manner in the present and for the future. The Ministry provides this certainty through its activities in science, standards setting, monitoring, regulation and enforcement.

**Environmental Stewardship:** The Ministry encourages and develops awareness, understanding, environmentally responsible behaviour and decision-making by individuals, communities and industries. The focus is on innovation, public education, collaboration and outreach to achieve a healthy environment in the future through decisions made in the present.

**Hazard and Risk Management:** The Ministry ensures that public notification and response systems are in place to provide prompt and effective responses to environmental emergencies.

**Strategic Business Services:** The Ministry carries out its mandate with the support of strategic services provided by human resources, finance, information technology, legal, Freedom of Information and Protection of Privacy (FOIPP) and the Information Centre.

## ALBERTA ENVIRONMENT'S BUSINESS PLAN

This business plan describes the direction the Ministry will follow over the next three years. It is not intended to describe exhaustively everything that the Ministry does. For example, we must rigorously continue to pursue land and soil issues to meet the expectations of Albertans while we redirect resources to new initiatives as well.

Our plan is organized around five key policy issues. These are:

- ◆ Water,
- ◆ Air,
- ◆ Sustainable Development - Climate Change,
- ◆ Sustainable Development - Integrated Resource Management, and
- ◆ Regulatory Systems.

By clearly listing these key issues under our core environmental businesses of Leadership, Assurance, Stewardship and Hazard and Risk Management, Albertans will be able to see our current policy emphasis and the changes we intend to make in the years ahead.

In summary, we will maintain strength in Environmental Assurance, while we demonstrate a greater emphasis on shared Environmental Leadership and Environmental Stewardship. Sharing means strengthening partnerships to engage more people and sectors in sustainable development and environmental protection. At all times, our core businesses derive from our mandate set out in Alberta's *Environmental Protection and Enhancement Act* and *Water Act*.

## MINISTRY MEASURES

Alberta Environment uses an internationally recognized tier system of indicators and measures similar to other jurisdictions like Germany, Florida and the World Economic Forum. First, *Environmental Indicators* (e.g., Air Quality Index, Surface Water Quality Index) measure key aspects of Alberta's environment. While the Ministry may not control these results, we do work with all Albertans to influence positive results. However, as a Ministry, we are still broadly accountable for high-level environmental outcomes.

Second, *Behavioural Indicators* measure Albertans' interaction with the environment. In our core business of Environmental Stewardship we seek to influence, guide and partner with all Albertans to produce positive, beyond compliance, environmental behaviour.

Third, *Management Checkpoints* measure departmental performance and are concerned about our efficiency in meeting our responsibilities.

Brief descriptions of our *Environmental and Behavioural Indicators* are referenced at the end of this Business Plan and are reported in our *Annual Report* and *Measuring Up*. Management checkpoints that are of interest to Albertans will be available to them in the future on our website, as part of our commitment to environmental public education and communication.

## **CORE BUSINESS 1: ENVIRONMENTAL LEADERSHIP**

- leading by building innovative, proactive relationships with all Albertans that produces real change to ensure environmental quality for present and future generations.

### **GOAL 1: Alberta Environment is a leader in proactive environmental protection.**

#### **Key Strategies:**

##### *Water*

- ◆ Develop a long-term water strategy for the province which includes:
  - ◆ Safe, secure supplies of drinking water,
  - ◆ Reliable water supplies for economic development,
  - ◆ Healthy rivers and lakes,
  - ◆ Risk management of floods and drought.

##### *Air*

- ◆ Investigate, in partnership with key stakeholders, better approaches to setting standards for air emissions including greenhouse gases.

##### *Sustainable Development - Climate Change*

- ◆ Influence federal, other provincial and international strategies to maintain Alberta's prosperity and provide solutions to climate change concerns.
- ◆ Make government a leader in energy conservation and other greenhouse gas emissions reduction strategies.

##### *Sustainable Development - Integrated Resource Management*

- ◆ Develop a comprehensive series of sustainable development strategies to integrate the uses of land and resources.

##### *Regulatory Systems*

- ◆ Work with Energy and Sustainable Resource Development to conduct a comprehensive internal review and restructuring of the energy, environmental and resource management regulatory system to ensure the best environmental outcomes.

#### **Key Indicators:**

- ◆ Environmental Indicators (Level 1): Surface Water Quality Index, Air Quality Index
- ◆ Behavioural Indicators (Level 2): Drinking Water Indicator/Action by Alberta Organizations to reduce Greenhouse Gases/Reduction of Municipal Solid Waste to Landfills/Government Action to Reduce Greenhouse Gas Emissions.

#### **Supplemental Measures and Checkpoints:**

- ◆ Management Checkpoints (Level 3): Client satisfaction levels/Market penetration of IRM activities/Evaluation of high quality IRM projects and programs in accordance with IRM principles.

## **CORE BUSINESS 2: ENVIRONMENTAL ASSURANCE**

- doing the work that assures Albertans that the environment is managed in a safe and sustainable manner.

### **GOAL 2: Sound environmental rules and regulations are in place and enforced.**

#### **Key Strategies:**

##### *Water*

- ◆ Maintain Alberta's drinking water to the highest standards in Canada.
- ◆ Manage water infrastructure for multi-purpose uses.

##### *Air*

- ◆ Work with the Canadian Council of Ministers of the Environment to develop and enhance air standards.
- ◆ Expand and enhance the network for air quality monitoring.

##### *Sustainable Development - Climate Change*

- ◆ Develop standards, in collaboration with Clean Air Strategic Alliance, for the electricity industry in Alberta that lead to a reduction in emissions, including greenhouse gases.

##### *Sustainable Development - Integrated Resource Management*

- ◆ Effectively manage the reclamation of land disturbances.
- ◆ Support province-wide monitoring of biodiversity as an indicator of sustainable development in collaboration with the Alberta Chamber of Resources.

##### *Regulatory Systems*

- ◆ Accelerate moves to "codes of practice" or other regulatory mechanisms while maintaining or enhancing environmental protection.

#### **Key Indicators:**

- ◆ Environmental Indicators (Level 1): Surface Water Quality Index/Air Quality Index
- ◆ Behavioural Indicators (Level 2): Drinking Water Indicator/Action by Alberta Organizations to reduce Greenhouse Gases/Reduction of Municipal Solid Waste to Landfills/Government Action to Reduce Greenhouse Gas Emissions

#### **Supplemental Measures and Checkpoints:**

- ◆ Internal Management Measure (Level 3): Citizen satisfaction based upon the drivers of citizen satisfaction; i.e., timeliness, knowledge/competence, fairness, access and outcome. Benchmarked against Citizens' First surveys.

### **CORE BUSINESS 3: ENVIRONMENTAL STEWARDSHIP**

- generating awareness and understanding that encourages environmentally responsible behaviour and stewardship by all Albertans.

#### **GOAL 3: Environmental protection is practiced as a collaborative effort through partnerships.**

##### **Key Strategies:**

###### *Water*

- ◆ Develop partnerships with industry to collect information and analyze the state of Alberta's ground water.

###### *Air*

- ◆ Support the Clean Air Strategic Alliance in the ongoing plans to eliminate flaring and reduce fugitive emissions.
- ◆ Support the development of a comprehensive network of airshed alliances.

###### *Sustainable Development - Climate Change*

- ◆ Support Climate Change Central work with industry and citizens to develop practical climate change solutions.
- ◆ Investigate mechanisms for emission trading.

###### *Sustainable Development - Integrated Resource Management*

- ◆ Use Integrated Land Management in collaboration with Alberta Chamber of Resources to minimize industry's footprint on landscapes.

###### *Regulatory Systems*

- ◆ Maintain and expand the use of Delegated Administrative Organizations to reduce waste and enhance recycling processes throughout the province.
- ◆ Develop and provide public access to comprehensive flood risk data so Albertans can take greater responsibility in flood risk avoidance.

##### **Key Indicators:**

- ◆ Environmental Indicators (Level 1): Surface Water Quality Index/Air Quality Index.
- ◆ Behavioural Indicators (Level 2): Drinking Water Indicator/Action by Alberta Organizations to reduce Greenhouse Gases/Reduction of Municipal Solid Waste to Landfills/Government Action to Reduce Greenhouse Gas Emissions/Pulp Production versus Amount of Substance Discharged.

#### **GOAL 4: Improve environmental public education and communication.**

##### **Key Strategies:**

###### *Water*

- ◆ Provide open, on-line reporting of water quality monitoring information.
- ◆ Educate Albertans on the key issues of maintaining water quality and supply.

- ◆ Provide proactive education and communication strategies that reduce the occurrences of emergencies.

#### *Air*

- ◆ Provide open, on-line, timely and specific air quality data and information.
- ◆ Educate Albertans on the key issues surrounding air quality.
- ◆ Provide proactive education and communication strategies that reduce air emissions.

#### *Sustainable Development - Climate Change*

- ◆ Increase the understanding of the consequences of the Kyoto Agreement.
- ◆ Provide education and communication to ensure Albertans are well informed on the risks and consequences of climate change.

#### *Sustainable Development - Integrated Resource Management*

- ◆ Help industry and citizens better understand the cumulative impact of human activities on the environment.

#### *Regulatory Systems*

- ◆ Ensure that changes to the regulatory system are well communicated to all affected Albertans.
- ◆ Support and expand the "Action on Waste" program.
- ◆ Increase the use of communication technology to convey information.
- ◆ Provide environmental monitoring, information and analysis in a timely and accessible manner.

#### **Key Indicators:**

- ◆ All Environmental and Behavioural Indicators (Level 1/Level 2).

#### **CORE BUSINESS 4: HAZARD AND RISK MANAGEMENT**

- ensuring public notification and response systems are in place to provide prompt and effective responses to environmental emergencies.

#### **GOAL 5: Alberta Environment ensures quick and competent responses to emergencies.**

#### **Key Strategies:**

##### *Water*

- ◆ Maintain the capacity to effectively manage the impact of drought, floods and toxic spills.

##### *Air*

- ◆ Improve the ability to respond to public concern related to air-polluting events.
- ◆ Reduce the amounts of ground-level ozone.

#### *Sustainable Development - Climate Change*

- ◆ Develop adaptive plans for climate-change sensitive ecosystems and economic activities.

#### *Sustainable Development - Integrated Resource Management*

- ◆ Ensure effective management of industrial and human waste.



**Key Indicators:**

- ◆ Environmental Indicators (Level 1): Surface Water Quality Index/Air Quality Index.
- ◆ Behavioural Indicators (Level 2): Drinking Water Indicator/Reduction of Municipal Solid Waste to Landfills.

**Supplemental Measures and Checkpoints:**

- ◆ Environmental Indicator (Level 2): Reduction of risk to people and property due to drought and flood hazards.
- ◆ Behavioural Indicator (Level 2): Protection of the environment, the public, ecosystems and their inhabitants/Number of incidents of non-compliance reported.

**CORE BUSINESS 5: STRATEGIC BUSINESS SERVICES**

- Alberta Environment ensures its capacity and ability to carry out its mandate through strategic services provided by human resources, finance, information technology, legal, FOIPP and the Information Centre.

**GOAL 6: Improve the Ministry's ability to achieve planned outcomes.****Key Strategies:**

- ◆ Ensure access to information within the Ministry and by the public.
- ◆ Ensure strategic use of IT resources in providing more environmental information to the public and more efficient ways of collecting data from industry.
- ◆ Offer opportunities to staff for learning and development that ensures alignment with government goals and priorities.
- ◆ Plan for leadership succession and enhance leadership capacity at all levels while meeting organizational requirements.
- ◆ Complete a Business Resumption Plan (BRP) for the Ministry.

**Supplemental Measures and Checkpoints:**

- ◆ Internal Management Measure (Level 3): Skill Capacity to pursue Plan Goals and Objectives/Leadership Development of Employees/Integration of IT Systems/Hardware and Software Needs Completed/Business Resumption Plan.

## MINISTRY MEASURES

### ENVIRONMENTAL INDICATORS

Environmental Indicators report on the state of Alberta's environment. A credible set of environmental indicators is important for sound environmental policymaking. In particular, environmental indicators consider the ecological context and are transparent, comprehensible, relevant and reliable.

#### AIR QUALITY INDEX

(Supports Government Goals 1 and 17)

##### Description

The Air Quality Index provides an indication of the quality of air in Alberta throughout the year at selected locations in the province, including Edmonton, Calgary, Fort Saskatchewan, Red Deer, and Fort McMurray. The measure reports the number of days in the year during which air is rated good, fair, poor or very poor using the guidelines established by Alberta's Environmental Protection and Enhancement Act and the National Air Quality Objectives.

##### Report and Analysis

Over the last five years the Index has annually rated air quality 'good' more than 97 per cent (354 days) of the time. The other days were rated 'fair'. There have been no days reported as 'poor' or 'very poor'.

Year	Rating			
	Good	Fair	Poor	Very Poor
1996	360	6	0	0
1997	359	6	0	0
1998	354	11	0	0
1999	357	8	0	0
2000	359	7	0	0

##### Target

Maintain "good" air quality days equal to or greater than 97 per cent of the time, with no "poor" days.

#### SURFACE WATER QUALITY INDEX

(Supports Government Goals 1, 7, 10 and 17)

##### Description

This measure is based on the average of index values calculated for four groups of water quality variables: metals, nutrients, bacteria, and pesticides, which are collected over the course of a fiscal year. Variables in the first three groups are compared to guidelines listed in "Surface Water Quality Guidelines for Use in Alberta" (Alberta Environment 1999). Variables in the fourth group (pesticides) are evaluated based on whether they can be detected in a water sample. This measure shows water quality at two locations in each of the province's six major river systems. In most cases, the two sites represent conditions upstream and downstream from areas of significant human activity.

## Report and Analysis

Overall, the water quality of Alberta's major rivers is "excellent" to "fair"; however, water quality tends to be lower downstream of areas with significant urban, industrial or agricultural development. Water quality is generally better in the west, near its mountain source.

The index values vary naturally from site to site and from year to year, often related to changes in flow volume. However, improvements in conditions downstream from Edmonton, Lethbridge and Calgary can be linked to upgraded wastewater treatment in these three cities.

Category	Index Scores	Description - <i>Guidelines are:</i>
Excellent	96-100	Almost always met
Good	81-95	Occasionally not met, but usually by small amounts
Fair	66-80	Sometimes not met by moderate amounts
Marginal	46-65	Often not met, sometimes by large amounts
Poor	0-45	Almost always not met by large amounts

SITE	1996-97	1997-98	1998-99	1999-00
<b>Bow River</b>				
Upstream of Calgary	96	100	97	97
Downstream of Calgary	76	87	82	84
<b>North Saskatchewan River</b>				
Upstream of Edmonton	91	97	93	86
Downstream of Edmonton	66	71	80	81
<b>Oldman River</b>				
Upstream of Lethbridge	78	83	89	97
Downstream of Lethbridge	83	84	80	86
<b>Red Deer River</b>				
Upstream of Red Deer	76	n/a	83	87
Downstream of Red Deer	84	n/a	81	75
<b>Smoky/Peace River</b>				
At Watino	84	83	91	90
At Fort Vermilion	86	89	94	86
<b>Athabasca River</b>				
At Athabasca	91	92	90	91
At Old Fort	90	90	95	91

## Target

Bring river water quality downstream of developed areas in line with upstream conditions, while maintaining overall river water quality.

## BEHAVIOURAL INDICATORS

Behavioural Indicators report on the way we behave toward the environment in terms of waste. The amount of waste and emissions directly impacts the quality of Alberta's natural systems. Alberta Environment, through its approvals and enforcement mandate, works with communities, industry and individuals to reduce and mitigate these impacts.

### Drinking Water Quality Indicator

(Supports Government Goals 1, 7, 10 and 17)

#### Description

A new measure to be included in the behavioural indicators is the drinking water quality indicator. The key target of this measure is maintenance of a safe supply of potable water for the population served by waterworks systems approved by Alberta Environment. This indicator includes both the potable water treatment plant design and the performance of these treatment plants to produce safe drinking water.

### Reduction of Municipal Solid Waste to Landfills

(Supports Government Goals 1 and 17)

#### Description

This measure indicates Alberta's progress towards meeting a continuous reduction in municipal solid waste disposed in landfills on a per capita basis.

#### Report and Analysis

From 1995 to 1997, the amount of material going to landfills increased as a result of greater economic activity and associated construction, renovation and demolition. Since 1997 there have been further reductions in the per capita tonnes.

#### Reduction of Municipal Solid Waste to Landfills

Year	1996	1997	1998	1999	2000
Tonnes per Capita	0.76	0.82	0.79	0.75	0.74

#### Target

The waste reduction target for Alberta is to reduce municipal solid waste disposal to landfills to 0.5 tonnes per capita by 2010.

### Pulp Production versus Amount of Biochemical Oxygen Demand Discharged

(Supports Government Goals 1, 7, 10 and 17)

#### Description

Certain substances in pulp mill wastewater require oxygen in their breakdown. This breakdown may decrease the amount of oxygen available to aquatic organisms. An excess amount of these substances could cause a shortage in the oxygen necessary to keep an aquatic ecosystem healthy. Alberta's average maximum allowable biochemical oxygen demand (BOD) (3 kg/tonne of pulp for most mills) is based on criteria for both water quality and best available demonstrated technology.

## Report and Analysis

A dramatic drop in BOD occurred in the early 1990s and since then, even though pulp production has been showing moderate increases, the BOD releases have been at the same levels or show small decreases. The target of 1 kg is a stretch target even beyond Alberta's regulated standard of 3 kg. The industry is meeting the challenge.

### Pulp Production versus Amount of Discharge

Year	1996	1997	1998	1999	2000
BOD (kg/tonne)	0.9	0.83	0.80	0.82	0.77
Pulp Production (tonnes/day)	6146	6213	6361	6681	6838

### Target

BOD discharged does not exceed 1.0 kilograms/Air Dried Tonne of Pulp.

## Government of Alberta Greenhouse Gas Emission Profile

(Supports Government Goals 7, 16 and 17)

### Description

The Government of Alberta demonstrates leadership in improving energy use through its actions to reduce emissions from government operations. The measure aims to promote activities that improve the energy efficiency of Alberta government operations through energy retrofits of government buildings, improved operation of government vehicles, reduction in government waste and energy productivity targets for departments.

### Report and Analysis

The Alberta government continues to reduce its overall emissions and has consistently exceeded its annual targets. In fiscal year 2000-2001 emissions of CO<sub>2</sub> equivalent were 433 kilotonnes (or 22 per cent) below 1990 levels. These reductions exceed our 2000-2001 target by 46 kilotonnes. The Alberta Government has submitted a new Action Plan under the VCR Inc. for continued efficiency actions to be achieved between 2000-2005. In addition to the Alberta government's new targets and measures in the new plan, the Alberta government will be participating in the VCR Inc. Champions in Action initiative. This initiative will place additional rigour on climate change reporting.

### Alberta Government Baseline, Targets, and Actual Figures for Greenhouse Gas Emissions.

*Kilotonnes of CO<sub>2</sub> Equivalent*

	1996	1997	1998	1999	2000	2001
Baseline	545	539	540	540	540	540
Target	531	513	502	491	479	427
Actual	502	475	457	444	433	

\* In 2001, Alberta government emissions from 1990 to 1999 were re-calculated to reflect recent updates to emissions factors, reflecting better science, and improved methodologies. These changes increase the absolute levels for each year, however their relative position (including percentage reductions overall and relative to annual targets remain the same). The 2000 figures, and those in the revised Action Plan, are based on the new emissions factors and methodologies.

### Target

The new target is to reduce GHG emissions 26 per cent below 1990 levels by the year 2005. In 1990, emissions were 549 kilotonnes of CO<sub>2</sub> equivalent.

### Alberta Organizations Energy Productivity Improvements

(Supports Government Goals 7, 9 and 17)

### Description

The number of Action Plans registered with the National Voluntary Challenge and Registry Program (VCR Inc.) indicates success in obtaining voluntary action by Alberta organizations to reduce greenhouse gas emissions.

### Report and Analysis

The number of registered Action Plans increased from 83 in 1996 to 161 in 2000. The cumulative number of action plans is unchanged from 1999. However, this fact does not adequately represent the number of new action plans received in the year 2000. The discrepancy occurred because organizations have either been removed from the database through lack of action, or companies have merged. VCR Inc. has updated its reporting guidelines and consequently, some of the Action Plans submitted to VCR Inc. over the past several years have been removed from the Registry since they were not meeting the minimum level of reporting.

	1996	1997	1998	1999	2000
<b>Number of Cumulative Alberta Action Plans in VCR</b>	83	103	132	161	161

### Target

Continued increase in the number of registered plans.

## Expense by Core Business

(thousands of dollars)

	Comparable 2000-01 Actual	Comparable 2001-02 Budget	Comparable 2001-02 Forecast	2002-03 Estimates	2003-04 Target	2004-05 Target
<b>EXPENSE</b>						
<b>Core Business</b>						
Environmental Leadership	9,427	17,415	21,414	9,978	11,070	12,675
Environmental Assurance	74,552	80,007	77,141	72,874	71,824	68,725
Environmental Stewardship	10,826	14,151	16,100	12,596	13,815	15,315
Hazard and Risk Management	5,904	9,696	7,446	9,381	6,063	6,063
Strategic Business Services	5,206	5,763	5,661	5,612	5,682	5,682
<b>MINISTRY EXPENSE</b>	105,915	127,032	127,762	110,441	108,454	108,460

## Ministry Statement of Operations

(thousands of dollars)

	Comparable 2000-01 Actual	Comparable 2001-02 Budget	Comparable 2001-02 Forecast	2002-03 Estimates	2003-04 Target	2004-05 Target
<b>REVENUE</b>						
Internal Government Transfers	3,812	7,500	5,250	7,250	3,850	3,850
Transfers from Government of Canada	299	178	228	-	-	-
Premiums, Fees and Licences	2,489	2,065	2,105	2,108	2,068	2,068
Other Revenue	1,075	568	568	733	741	747
<b>MINISTRY REVENUE</b>	7,675	10,311	8,151	10,091	6,659	6,665
<b>EXPENSE</b>						
<b>Program</b>						
Environmental Leadership	9,427	17,415	21,414	9,978	11,070	12,675
Environmental Assurance	74,552	80,007	77,141	72,874	71,824	68,725
Environmental Stewardship	10,826	14,151	16,100	12,596	13,815	15,315
Hazard and Risk Management	5,904	9,696	7,446	9,381	6,063	6,063
Strategic Business Services	5,088	5,664	5,562	5,513	5,583	5,583
Valuation Adjustments and Other Provisions	118	99	99	99	99	99
<b>MINISTRY EXPENSE</b>	105,915	127,032	127,762	110,441	108,454	108,460
Gain (Loss) on Disposal of Capital Assets	-	1,160	-	-	-	-
<b>NET OPERATING RESULT</b>	(98,240)	(115,561)	(119,611)	(100,350)	(101,795)	(101,795)

## Consolidated Net Operating Result

(thousands of dollars)

	Comparable 2000-01 Actual	Comparable 2001-02 Budget	Comparable 2001-02 Forecast	2002-03 Estimates	2003-04 Target	2004-05 Target
Ministry Revenue	7,675	10,311	8,151	10,091	6,659	6,665
<i>Inter-ministry consolidation adjustments</i>	(3,850)	(7,500)	(5,250)	(7,250)	(3,850)	(3,850)
<b>Consolidated Revenue</b>	<b>3,825</b>	<b>2,811</b>	<b>2,901</b>	<b>2,841</b>	<b>2,809</b>	<b>2,815</b>
Ministry Program Expense	105,915	127,032	127,762	110,441	108,454	108,460
<i>Inter-ministry consolidation adjustments</i>	(38)	(2,000)	-	-	-	-
<b>Consolidated Expense</b>	<b>105,877</b>	<b>125,032</b>	<b>127,762</b>	<b>110,441</b>	<b>108,454</b>	<b>108,460</b>
Gain (Loss) on Disposal of Capital Assets	-	1,160	-	-	-	-
<i>Inter-ministry consolidation adjustments</i>	-	(1,160)	-	-	-	-
<b>CONSOLIDATED NET OPERATING RESULT</b>	<b>(102,052)</b>	<b>(122,221)</b>	<b>(124,861)</b>	<b>(107,600)</b>	<b>(105,645)</b>	<b>(105,645)</b>