



DEPARTMENT OF ENERGY

STATEMENT OF MANDATE

2012-2013

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MESSAGE FROM THE MINISTER

This Statement of Mandate outlines the steps we are taking to maximize the economic, social and environmental value of our energy resources as we transform our energy sector into one that is greener and more diverse, more secure and more sustainable.

Implementation of the 2010 Renewable Electricity Plan continues. We are making great progress in meeting our greenhouse gas reduction targets and are slightly ahead of schedule in meeting our legislated 25 per cent renewable electricity target by 2015 and 40 per cent by 2020.

The historic deal to develop the Lower Churchill project is an important part of meeting our future energy requirements. A minimum of eight to 10 per cent of our total electricity needs will come from this project when it comes online in 2017. The project gives us access to a reliable source of hydroelectricity at fixed rates for 35 years, helping to stabilize electricity prices over the long term. Additional supply to Nova Scotia and the rest of the Maritime region may be available to us at market rates.

Our energy transformation is a necessity. Our plan is to increase the use of renewables and diversify our energy portfolio. Rising electricity prices are hurting all Nova Scotians and the culprit is the high cost of coal, which has increased in price by 75 per cent in six years. Our plan moves us off foreign coal and maximizes the economic benefits of a diverse energy economy.

The return of super-major exploration activity to our offshore with Shell's \$970-million spending commitment over the next six years will result in jobs and hundreds of millions of dollars being spent here. Offshore exploration activity now stands poised to join the Lower Churchill project and the Irving Shipbuilding contract as game-changing opportunities for the Nova Scotia economy. We will continue to build on the interest in exploring our offshore, as well as our onshore, and work toward a significant discovery that will transform the industry in this province and take it to the next level.

The department will work towards increasing the use of local energy sources and being a leader in regional collaboration and partnerships; research and development; marketing our oil and gas potential, and tidal energy development. A social licence framework to be developed this year will ensure communities are engaged participants in resource development.

Our local energy resources can grow our economy, create good jobs and provide energy security and stability in today's uncertain world. The department will continue to ensure that Nova Scotians are skilled and ready to capitalize on the opportunities this energy transformation is creating.

Honourable Charlie Parker,


Minister

MESSAGE FROM THE DEPUTY MINISTER

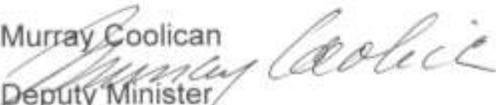
The Department of Energy has gone through a significant reorganization over the last year to ensure we have a structure that reflects the province's energy priorities. We are moving towards a cleaner energy economy and the return of exploration interest in our offshore, and our department is responsible for maximizing the benefits of this diverse energy economy. To do this, we knew we needed an effective organization that allows our employees to contribute their full potential to the work before us.

Over the past year, we focused our staff resources in the Sustainable and Renewable Energy Branch to the innovative developments of local renewable energy projects. We are encouraging community participation in renewable energy development through our Community Feed-in Tariff (COMFIT) program, and we are developing a Marine Energy Strategy to guide the development of our tidal and other marine resources. Nova Scotia is a world leader in tidal energy development with our tidal energy demonstration project in the Bay of Fundy. We are also working on an overarching Cleaner Energy Framework that recognizes the role of natural gas, which is cleaner burning than coal, in meeting environmental goals while giving consumers a competitive energy option.

We also encourage responsible exploration and development of our significant offshore and onshore oil and gas potential. Oil and gas companies had been reluctant to explore here given the lack of geoscience information, but that is now changing. Over the past year, we have been able to give industry a clearer picture of our offshore. As a result, Shell has now committed to a six-year, \$970-billion exploration program off Nova Scotia. We have significant onshore potential as well, with eight companies currently exploring.

Our Business Development and Corporate Services Branch ensures the province receives the appropriate fiscal return for the development of its energy resources, and that Nova Scotia companies and workers have opportunities to participate in local, regional and international energy markets. It is important that we support an engaged, empowered, diverse and accountable workforce to ensure we maximize our development opportunities as we transform our energy sector.

Over the coming year, our department will continue to provide timely and solid advice to government on energy policies and their impact on social, economic development and environmental priorities. We will engage stakeholders in an informed discussion on energy issues and build an understanding of a balanced approach to energy use and development. It is our vision to be an innovative leader as we work together on the transformation of Nova Scotia's energy sector.

Murray Coolican

Deputy Minister
Department of Energy

OUR MANDATE

The Department of Energy's mandate, as outlined in the *Public Service Act*, is to manage and promote energy resources to achieve optimum economic, social and environmental value from the energy sector.

The Department of Energy will focus on six departmental core priorities in 2012-2013 to best achieve the mandate outlined in the *Public Service Act* and the Government's priorities. The priorities developed by senior management at the Department of Energy are as follows:

- Maximize the benefits of a diverse energy economy;
- Move towards a cleaner energy economy;
- Develop the offshore and onshore petroleum sector;
- Be a global energy innovator;
- Encourage socially responsible development of Nova Scotia's energy sector and;
- Strengthen partnerships through strategic collaboration.

The above departmental priorities are further described and provided in context to the Government priorities in this document.

OUR MISSION

The mission of the Nova Scotia Department of Energy is to serve the social, environmental, and economic interests of Nova Scotians by ensuring all energy resources are developed and used in an efficient and sustainable manner.

OUR VISION

The Department of Energy is recognized as a collaborative and innovative leader in the transformation of our energy sector.

NOVA SCOTIA GOVERNMENT AND DEPARTMENT OF ENERGY PRIORTIES

GETTING BACK TO BALANCE AND ENSURE GOVERNMENT LIVES WITHIN ITS MEANS

The Department of Energy is responsible for the monitoring of energy projects to ensure the appropriate economic rent is collected from its resources. The administration and auditing of Royalties and Crown Share Adjustment payments continues to provide the province with \$100s of millions directly towards the provincial budget. This is helping the government get back to balance.

MAKE HEALTH CARE BETTER FOR YOU AND YOUR FAMILY

The Department of Energy is focused on a cleaner energy economy. The Cleaner Energy Framework, discussed below, is a significant mandate of the government that outlines a comprehensive strategy that will move Nova Scotia into a cleaner energy economy. Many of the initiatives, most notable improved air quality, will make a preventative contribution to healthcare. In developing the various strategies, the Department of Energy has been working in close collaboration with the Departments of Environment and Health to ensure that energy development of all kinds has a neutral or positive environmental and health impact. If health or environmental concerns arise, we work with these departments to ensure that any necessary mitigating measures are taken to safeguard our communities and the environment.

CREATE GOOD JOBS AND GROW THE ECONOMY

MOVING TOWARDS A CLEANER ENERGY ECONOMY

The Cleaner Energy Framework

The Cleaner Energy Framework, set to be released in 2012-2013, is an umbrella document drawing together the various strategies and initiatives currently under way to move Nova Scotia towards a cleaner energy economy. The goals of these initiatives include strengthening economic productivity and innovation, protecting the environment, and improving energy security. The Framework covers efficiency and conservation, renewable energy sources, and natural gas. Several major elements covered by the Framework are detailed below:

a) **The Renewable Electricity Plan**

The province released the Renewable Electricity Plan in April 2010 to encourage expanded development of renewable energy resources for electricity generation, to promote local economic development, energy security and diversity, and cleaner electricity production. The plan sets out a detailed path for transforming Nova Scotia's primarily coal-based sector to energy sources that are cleaner and closer to home. The plan provides ways for homeowners, communities and energy developers to contribute to renewable energy targets, and provides further support

to developing the tidal industry. Initiatives laid out in the plan will help the province meet its legal targets of 25% renewable electricity supply by 2015 and 40 percent renewable electricity by 2020.

The Community Feed-in Tariff (COMFIT) is part of Nova Scotia's Renewable Electricity Plan. Nova Scotia is unique in recognizing the key role of communities in renewable electricity generation and the COMFIT program is the first of its kind. The Utility and Review Board (UARB) establishment of community feed-in-tariff rates provides an opportunity for groups that would otherwise not be able to successfully compete against larger developers in a competitive bidding process. The COMFIT program will encourage rural economic activity associated with the construction and operation of renewable energy projects – helping create good jobs and grow the economy.

b) **The Marine Renewable Energy Strategy**

The *Marine Renewable Energy Strategy*, to be released in 2012-2013, will provide the necessary policy, economic, and legal conditions to create the next generation of renewable energy projects, technologies and services that will lead to commercial development and the establishment of an industry in Nova Scotia. The Strategy will guide the development of the marine renewable energy (MRE) industry in Nova Scotia, aiming to establish MRE as price competitive with other renewables energy, and to create a world-class industry that can support the growth of MRE at home and around the world.

c) **Energy Efficiency and Conservation**

One of the easiest ways for Nova Scotians to move towards a cleaner energy economy is to use less energy for the same productive output. By working more efficiently, we are promoting a cleaner energy economy through relying less on non-renewable energy sources. By saving energy, Nova Scotia will not have to build new fossil fuel generated power plants or import fuels needed to run them.

Nova Scotians will have the opportunity to develop unique skills and training opportunities in professions that were previously unknown or unavailable. Furthermore, some of the money saved by Nova Scotians through efficiency and conservation measures will be spent elsewhere in the economy. This is an easy win for Nova Scotians to help grow the economy. The Department of Energy promotes energy conservation primarily through funding to Efficiency Nova Scotia Corporation, and through creating more stringent regulations and standards for energy efficiency and conservation.

d) **Sustainable Transportation Strategy**

The Department of Energy, along with a number of other departments such as Environment, Transportation Infrastructure and Renewal, Service Nova Scotia and

Municipal Relations will work together in developing a Sustainable Transportation Strategy for Nova Scotia. The Sustainable Transportation Strategy will guide the Province's approach to addressing key transportation sector issues such as increasing use of active and public/community transportation, reducing greenhouse gas emissions and air pollutants, promoting fuel efficiency and conservation and use of cleaner energy sources.

Natural Gas Infrastructure

While natural gas is still a fossil fuel, it is locally available and burns more cleanly than coal and oil. It partially or completely eliminates the air emissions associated with other fossil fuels. While providing a cleaner energy source it is well suited to provide a back-up source of power for intermittent renewable energy production described above.

Natural gas provides Nova Scotia consumers and businesses with a competitive fuel alternative. The Department of Energy is continuing its focus on the development of natural gas markets and infrastructure. This will enable many Nova Scotia businesses to lower energy costs and continue to grow the economy.

DEVELOP THE OFFSHORE AND ONSHORE PETROLEUM SECTOR

Nova Scotia has significant offshore petroleum resources. Discussions with industry indicated that the complex geology of our offshore was adding a significant element of risk to their decision making on investing in our offshore. Our understanding of the geology of the offshore has grown (de-risking) with the recent completion of the Play Fairway Analysis.

Over the past three years, the province reinvested \$15 million of offshore revenue payments in a geoscience based analysis of the offshore, the Play Fairway Analysis (PFA). In addition to unlocking a number of the unknowns about our offshore geology, the study concluded that the offshore area had potential reserves of 120-trillion cubic feet of natural gas and eight-billion barrels of oil. The PFA played a key role in the recent announcement of the \$970 million investment in exploration of our offshore. We will continue to invest in geoscience research and in promotional efforts with the international offshore community.

In addition to funding geoscience work the department will continue its efforts to provide a strong stable business and regulatory environment to support the attraction of investment for development of our valuable resources. Nova Scotia has joint management responsibility for the offshore with our federal government partner Natural Resources Canada.

Offshore oil and gas exploration and development provide substantial royalty and crown share revenue to the province in addition providing job creation and growth opportunities for the economy.

Offshore Geoscience Research

The Department of Energy will continue to invest in geoscience research. Building on the successful contribution of the PFA to the recent offshore exploration Call for Bids, the Department of Energy will invest in additional geoscience analysis that will begin to address challenges identified by the PFA. This new geoscience analysis will be integrated into the PFA to deepen the understanding of the results achieved to date, and provide further information for investors.

During 2012-2013 the Department of Energy will be initiating two new phases of the PFA. Phase one identifies the research priorities/research gaps and includes smaller scale initiatives. Phase two will be larger scale initiatives with longer lead times that will identify other research priorities. The successful attraction of offshore investment through the PFA means good jobs and growth in the economy.

Promotion of the Offshore

The PFA will be the focus for marketing and promotional efforts by the Department for some time to come. It will be utilized in conjunction with the Canada-Nova Scotia Offshore Petroleum Board's (CNSOPB) recently announced multi-year schedule for future (2012-2014) for bids to market the Nova Scotia offshore area.

Policy and Regulatory Support for Offshore Renewal

The Offshore Renewal Plan (2008) set the groundwork for a long term plan for attracting investment to our offshore. The province's investment in geoscience research was a key component of the plan but establishing the policy direction for a number of other strategic initiatives is also important.

The department will be focusing its resources on development of policy initiatives in the area of:

a) Third party access to offshore infrastructure

Studies commissioned by our department identified that the ability for third parties to readily determine costs to tie smaller fields into existing offshore infrastructure is a significant factor in investment decisions, particularly at the Call for Bids phase of exploration. Other jurisdictions have addressed this issue by developing infrastructure access codes of practice or through the use of other regulatory tools.

b) Public release or sharing of data produced by industry

Inexpensive access to offshore geoscience data, in its most useful digital format, is a fundamental policy in most offshore jurisdictions around the globe. The Play Fairway Analysis has shown how valuable this can be but there remains significant uncertainty over the format for and timing of data access in Nova Scotia. We will focus on resolving this uncertainty in a way that balances respect for commercial rights with furtherance of the public interest.

c) **Coasting Trade Act and associated duty remission**

The current state of Canada's coasting trade policy and laws are having a negative impact on offshore oil and gas investment. We would like to work with our federal partners on how changes to this policy area could have significant benefit by encouraging more activity in the critical exploration phase.

d) **Rights issuance**

The Canada-Nova Scotia Offshore Petroleum Board has very recently issued Revised Guidelines on the Issuance of Exploration Licenses. These guidelines have addressed a number of issues which we feel are important but we would like to discuss future changes which could maximize the public good and provide attractive business drivers.

Onshore Petroleum Atlas

The Department of Energy is creating an onshore geoscience reference that will help identify areas with hydrocarbon potential in Nova Scotia. The Onshore Petroleum Atlas will incorporate a variety of essential geoscience attributes. This involves compiling, creating, and calculating an onshore assessment. The Nova Scotia Department of Natural Resources geological expertise provides an important building block for creating the Onshore Petroleum Atlas. The onshore petroleum atlas will highlight geoscience gaps and identify a way to address them in the resource assessment. It will be the first petroleum resource assessment of onshore Nova Scotia available for public use. This is an important tool for attracting investments in Nova Scotia's onshore frontier oil and gas environment. The successful attraction of investors means better jobs and growth in the economy.

MAXIMIZE THE BENEFITS OF A DIVERSE ENERGY ECONOMY

Cleaner Energy Framework

The Cleaner Energy Framework, as discussed under Priority #1, is an umbrella document drawing together the various strategies and initiatives currently under way to move Nova Scotia towards a cleaner energy economy. Two of its main goals are supporting a productive and innovative economy and providing greater energy security, by promoting a responsible energy mix that includes the use of natural gas as well as renewables. Energy diversity helps to buffer Nova Scotians from swings in international fuel prices, thereby helping to create a more stable economic climate and encouraging longer term investment.

Atlantic Energy Gateway

In 2009, the Atlantic Energy Gateway (AEG) initiative was established to bring together provincial governments in the Atlantic region, the Atlantic Canada Opportunities Agency (ACOA) and Natural Resources Canada (NRCan) to enhance collaboration on regional energy issues. The initiative aims to build partnerships and consensus among the four Atlantic provincial governments, regional utilities and electricity system operators to foster a common

understanding and approach for the development and distribution of the region's clean electricity supply.

BE A GLOBAL ENERGY INNOVATOR

Marine Renewables

Nova Scotia is blessed with a wealth of ocean resources, and one of the most spectacular is the power of the tides in the Bay of Fundy. Nova Scotia is well positioned to take a leadership position in the advancement of the global marine renewable energy sector. Marine renewable energy is still a pioneering sector with many technologies under development. Nova Scotia has a tradition of marine operations and has developed expertise, goods, and services in offshore- and marine-centered industries.

Marine renewable energy presents an emerging global market opportunity in many areas including technology, engineering, marine fabrication, marine operations, project development, finance, and other service and supply industries. Nova Scotia can capitalize on skills and expertise gained from a tradition of work in offshore and marine industries to access new opportunities.

With the experience and knowledge attained through research, collaborative relationships, and device testing, Nova Scotia has the opportunity to build on local and global experience to play a major role in the creation of new technologies and approaches for marine renewable energy – especially tidal power. Nova Scotia has multiple locations where both small- and large-scale projects can be developed, contributing to both the local economy and the global market.

Atlantic Energy Gateway

The Atlantic Energy Gateway (AEG) initiative is working to address key issues of the region's energy sector, including the economic benefits of regional system planning, market opportunities in the emerging green energy sector, regulatory issues, and research and development opportunities. Success of this initiative would contribute to Nova Scotia as a global energy innovator.

National Energy Framework Initiatives

The province hosted a group of academics, thinkers and policy makers focused on the development of a National Energy Framework. Atlantic Canada was commended for the leadership it has shown through its shared approach to energy planning and development. Through greater national cooperation geared at making Canada an energy super power – not just for the power we develop, but for the way we use it and the care we take with our environment. During 2012-2013, we will continue to support the framework at the Council of the Federation meetings this summer.

ENCOURAGE SOCIALLY RESPONSIBLE DEVELOPMENT OF NOVA SCOTIA'S ENERGY SECTOR

Aboriginal Consultation

The Department of Energy is fully committed to consulting and working collaboratively with the Mi'kmaq of Nova Scotia in the development of our energy sector. We are continuing to improve our relationship with the Assembly of Nova Scotia Mi'kmaq Chiefs and fulfill the duty to consult with the Mi'kmaq in all of our decision-making processes.

The Department of Energy, Office of Aboriginal Affairs, and the Assembly of Nova Scotia Mi'kmaq Chiefs have developed a consultation process "The Energy Consultation Table" to assist in working collaboratively and positively on the development of Nova Scotia's energy sector.

Public Engagement

Public engagement is an integral step to ensuring successful development of Nova Scotia's energy sector. It is an important element to strategic and policy development around renewable energy and fossil fuels. Education and community engagement mechanisms will be important for the communities to co-exist with energy development.

Successful petroleum exploration activity and development is dependent on community engagement at all stages of a project. This will help attract business development, export capabilities and new job opportunities.

Renewable energy is a public resource, Nova Scotians must have a high level of trust in how this emerging sector is being developed and operated in order to ensure sustainable and beneficial growth of the sector. It is a fundamental principle of the government that public acceptance and public trust is maintained.

STRENGTHEN PARTNERSHIPS THROUGH STRATEGIC COLLABORATION

Aboriginal Initiatives

The Department of Energy and Office of Aboriginal Affairs funded the development of a Mi'kmaq-specific Renewable Energy Strategy. The Mi'kmaq Renewable Energy Strategy will support the Assembly of Nova Scotia Mi'kmaq Chiefs in successfully pursuing direct and indirect renewable energy opportunities in Nova Scotia and ensuring the participation of the Mi'kmaq of Nova Scotia in the renewable energy sector.

The Department of Energy also provided funding for the hiring of an energy professional to work at the Kwilmu'kw Maw-klusuaqn Negotiation Office (KMKNO). This position provides the Mi'kmaq with capacity to work on energy issues, support discussions with the province, explore energy sector opportunities, and support the implementation of a Mi'kmaq Renewable Energy Strategy.

The Department of Energy continues to work closely with the Mi'kmaq to support their involvement in the energy sector, and has hired an Aboriginal Business Development Officer to work with the KMKNO and Nova Scotia's Mi'kmaq communities to assist in exploring potential energy sector opportunities. This includes identifying business opportunities and energy efficiency initiatives.

Atlantic Provinces

The Atlantic Provinces are working together to best represent our region. Our collaborative approach supporting the growth and development of the energy sector continues to be an important partnership.

Efficiency Nova Scotia Corporation (ENSC)

The Government of Nova Scotia appreciates that energy efficiency and conservation are very important to Nova Scotians. During 2012-2013, the Department of Energy will continue to work with ENSC to ensure we are achieving the best results for Nova Scotians in the areas of energy efficiency and conservation.

Fundy Ocean Research Center for Energy (FORCE)

The Department of Energy has been working closely with the Fundy Ocean Research Center for Energy. FORCE (located in the Minas Passage) is Canada's leading test center for in-stream tidal energy technology. FORCE works with developers, regulators, and researchers to study the potential for tidal turbines to operate within the Bay of Fundy environment. FORCE provides a shared observation facility, submarine cables, grid connection, and environmental monitoring at its pre-approved test site.

Nova Scotia Energy Industry

The Department of Energy collaborates with energy stakeholders, advocates partnership, forms strategic alliances and represents Nova Scotia's strengths at industry events for the purpose of promoting our capabilities and partnership opportunities for the Nova Scotia industry. The Department of Energy works in collaboration with Maritimes Energy Association on a variety of initiatives. Knowledge about existing and potential project activity combined with an understanding of departmental policy and programs development gives the Department of Energy a unique perspective to promote and maximise the Nova Scotia energy sector.

Nova Scotia Education Community

The Department of Energy works closely with the education community to provide a skilled and committed workforce. The Department of Energy is committed to the development of our workforce. It is a critical component to businesses becoming global energy leaders and helps grow the economy.

The Offshore Energy Environmental Research (OEER) and Offshore Energy Technical Research (OETR) Associations

In 2006, the Province established two independent not-for-profit corporations that operate at arm's length from the Department of Energy with a mandate to fund offshore energy, environmental, and technical (including geoscience) research and development related broadly to marine energy issues. The OEER and OETR Associations have been integral to guiding tidal related research including studies in the area of resource assessment, sediment dynamics, and near- and far-field effects modeling.¹

The OETR Association has been integral in coordination and funding efforts around the offshore Play Fairway Analysis project. This involved a combination of government researchers, academics and international consultants for the past two years. This work culminated in the release of the Play Fairway Analysis work in 2011 and is a supporting contributor in the recent attraction of new offshore investment of \$970 million dollars. Additional geoscience work will be identified as indicated in Develop the Offshore and Onshore Petroleum Sector priority above and OETR may serve as that collaborative mechanism for accomplishing this work.

Quality Urban Energy Systems of Tomorrow (QUEST)

The Department of Energy is continuing its support for Quality Urban Energy Systems of Tomorrow (QUEST) Nova Scotia Caucus. QUEST is a collaborative network of organizations actively working to make Canada a world leader in design, development and application of integrated community energy systems (ICES). It brings together representatives from the energy, technology and infrastructure industries, gas and electric utilities, all levels of government, civil society groups, community leaders, researchers and the consulting community. Nova Scotia has been a member of QUEST since 2009, and has developed an active QUEST Nova Scotia caucus which continues to address ICES issues, most recently on district energy, natural gas, and sustainable transportation.

¹ In December 2011, the OEER and OETR boards approved the amalgamation of the two associations into a single organization with a new name: the "Offshore Energy Research Association of Nova Scotia." A strategy implementation plan including governance reorganization will commence in April 2012.

PERFORMANCE MEASURES

MOVING TOWARDS A CLEANER ENERGY ECONOMY

STRATEGIC ACTIONS TO ACHIEVE TARGET	MEASURE/ RATIONALE	DATA/ BASE YEAR	TARGET	TRENDS	OUTCOME
Renewable Electricity Administrator manages independent power producer bids for medium and large scale renewable energy projects	Amount of power generated from new energy developments under REA process	2011	By 2015: annual production of 300 GWh	NA	Large and medium scale energy projects come online, contributing to cleaner environment and stronger economy.
Implement the Renewable Electricity Plan	Percentage of energy mix drawn from renewable sources	2011	2013: 10% from projects developed after 2001, including 5% from IPPs 2015: 25% renewable sources for electricity 2020: 40% renewable sources for electricity	2001: 8% renewable electricity 2009: 11% renewable electricity 2011: Not yet released; 5% confirmed from IPPs	Greater energy security Cleaner environment Job creation, innovation and improved productivity

STRATEGIC ACTIONS TO ACHIEVE TARGET	MEASURE/ RATIONALE	DATA/ BASE YEAR	TARGET	TRENDS	OUTCOME
Evaluate success and effectiveness of COMFIT program during 18 month program review	Amount of electricity generation capacity approved (MW)	2011	100 MW approved by June 30, 2012	N/A	<p>Communities contribute to renewable energy in Nova Scotia</p> <p>Local economic development supported</p> <p>Renewable Electricity Generated</p>
Evaluate success and effectiveness of COMFIT program during 18 month program review	Number of Projects Approved	2011	All projects applied for in 2011 processed by June 30, 2012	N/A	<p>Communities contribute to renewable energy in Nova Scotia</p> <p>Local economic development supported</p>
Decrease energy consumption in existing houses, through ENSC programs	Energy savings (GJ) through programs for existing houses	2011	124,740 GJ	N/A	Per capita energy consumption decreases in existing houses

STRATEGIC ACTIONS TO ACHIEVE TARGET	MEASURE/ RATIONALE	DATA/ BASE YEAR	TARGET	TRENDS	OUTCOME
Decrease energy consumption for new houses built in 2012, through ENSC programs	Energy savings (GJ) through programs for new houses	2011	48,600 GJ	N/A	Per capita energy consumption decreases in new houses
Decrease energy consumption in low income residences, through, ENSC programs	Energy savings (GJ) through programs for new houses	2011	77,566 GJ	N/A	Per capita energy consumption decreases in low income homes
Release Marine Renewable Energy Strategy, which will outline plan and support objectives for support of tidal energy development	Marine Renewable Energy Strategy	2011	2012-2013	N/A	<p>Strategy lays out clear objectives for tidal energy sector</p> <p>Supports technology development in tidal energy</p> <p>Enhances clean energy and energy security</p>
Develop a sustainable transportation strategy for Nova Scotia	Strategy Completed	2011	2012-2013	N/A	Clear plan for promoting sustainable transportation

STRATEGIC ACTIONS TO ACHIEVE TARGET	MEASURE/ RATIONALE	DATA/ BASE YEAR	TARGET	TRENDS	OUTCOME
Natural Gas Infrastructure	Complete study on Compressed Natural Gas (two phases)	2011	Complete phase one 2012-2013 Complete phase two March 2013-2012	N/A	Assessment of the current economics of CNG use in Nova Scotia.

DEVELOP THE OFFSHORE AND ONSHORE PETROLEUM SECTOR

STRATEGIC ACTIONS TO ACHIEVE TARGET	MEASURE/ RATIONALE	DATA/BASE YEAR	TARGET	TRENDS	OUTCOME
<p>Geoscience offshore and Play Fairway Analysis:</p> <p>Establish phase one and phase two of additional geoscience required to keep the PFA work evergreen</p>	<p>New investment in the offshore – total blocks and total \$ committed.</p> <p>Establish phase one and phase two plans, work scope and link to marketing initiative as well.</p>	<p>2011</p>	<p>2012-2014 (phase one 2012-2013, and phase two 2013-2014)</p>	<p>Previous Calls resulted in 2009 - \$0; 2010 - \$0; and the most recent after the release of the PFA results of 2011 - \$970 million from 4 blocks</p>	<p>Successful call for bids</p>
<p>Marketing the Offshore</p> <p>Geoscience offshore and Play Fairway Analysis</p>	<p>Tied to the CNSOPB's Multi-year plan for annual Call for Bid areas.</p>	<p>2011</p>	<p>2012-2014 (phase one 2012-2013, and phase two 2013-2014)</p>	<p>Increase in exploration attention should increase investment after the results of the 2011 call</p>	<p>New companies investing in our offshore</p>

ENCOURAGE SOCIALLY RESPONSIBLE DEVELOPMENT OF NOVA SCOTIA'S ENERGY SECTOR

STRATEGIC ACTIONS TO ACHIEVE TARGET	MEASURE/ RATIONALE	DATA/BASE YEAR	TARGET	TRENDS	OUTCOME
Build public understanding of benefits of wind energy for renewable electricity	Percent of public aware of COMFIT	Baseline to be set by public survey in March 2012	TBD by 2012 survey	N/A	Greater public understanding and support of the COMFIT program and renewable energy.
Develop and conduct a comprehensive public opinion survey to assess energy issues	Completion of Survey	2011	2200 Nova Scotian participation	N/A	Provide information to assist in developing future policy
Encourage widespread participation in COMFIT program	Number of community groups that participate	N/A	24 distinct communities	N/A	Diverse communities participate in generating renewable electricity. Local economic development
Encourage widespread participation in COMFIT program	Amount of electricity approved for aboriginal groups applying to COMFIT (MW)	N/A	10 MW	N/A	Aboriginal groups participate in generating renewable electricity. Local economic development

Encourage widespread participation in COMFIT program	Percent of goods and services sourced locally by COMFIT project developments (to be determined one year after projects are operational)	N/A	35 % local goods and services (measured after projects are operational)	N/A	Local economic development Job creation
Build public understanding of benefits of wind energy for renewable electricity	Percent of public aware of COMFIT	Baseline to be set by public survey in 2012	TBD by March 2012 survey	N/A	Greater public understanding and support of the COMFIT program and renewable energy.
Collaborate with the other Atlantic Provinces	National Energy Framework is representative of the Atlantic Provinces	2011	2012-2013	N/A	Atlantic Provinces shared approach to energy planning and development in the National Energy Framework.

BUDGET CONTEXT

	2011-2012 Estimate	2011-2012 Forecast	2012-2013 Estimate
Program & Service Area	(thousands)	(thousands)	(thousands)
Gross Departmental Expenses:			
Office of the Minister/Deputy Minister	432	395	435
Administrative Services	1,414	1,778	1,404
Sustainable & Renewable Energy	1,869	1,833	1,676
Business Development & Corporate Services	3,051	2,626	2,678
Petroleum Resources	1,946	2,074	1,925
Non-Electricity Energy Efficiency	18,400	18,000	17,900
Canada/NS Offshore Petroleum Board	3,350	3,350	3,550
Total: Gross Departmental Expenses	30,462	30,055	29,568
Additional Information:			
Fees and Other Charges	-	-	-
Ordinary Recoveries	1,677	2,028	1,775
TCA Purchase Requirements	-	-	-
Provincial Funded Staff (FTEs)	62	49	58