

2016 Canada-Nova Scotia Benefits Report
Sable Offshore Energy Project

ExxonMobil Canada Properties
Sable Offshore Energy Project
2016 Canada-Nova Scotia Benefits Report

Submitted to the
Canada-Nova Scotia Offshore Petroleum Board

March 31, 2017

Table of Contents

Executive Summary	3
1.0 Introduction	4
2.0 Project Update	5
3.0 Economic Impact	6
4.0 Diversity and Inclusion	9
5.0 Capacity Development	10
6.0 Research and Development Initiatives	12
7.0 Community Education and Participation	15
APPENDICES	18

List of Tables

Table 1 – Supply Community Services	4
Table 2 – SOEP Expenditures (2016 and Cumulative)	7
Table 3 - Person Hours of Employment (2016 and Cumulative)	8
Table 4 - Year End Headcount.....	8
Table 5 - Residency of New Hires.....	8
Table 6 - Traditionally Under-represented Groups	9
Table 7 - Co-op Work Placements.....	11
Table 8 - Training and Education Expenditures	11
Table 9 - Research and Development Expenditures (2016 and Cumulative)	13

Appendices

- Appendix 1 - 2016 Sable Project Person Hours
- Appendix 2 - 2016 Research and Development Investments

Executive Summary

This 2016 Canada - Nova Scotia Benefits Report for the Sable Offshore Energy Project (SOEP) is submitted to the Canada Nova Scotia Offshore Petroleum Board (CNSOPB) by ExxonMobil Canada Properties (EMCP) as operator of SOEP. It is submitted in satisfaction of the requirements of the CNSOPB Benefits Plan Decision Report for SOEP and includes information on the SOEP offshore and onshore activities for the reporting period of January 1, 2016 to December 31, 2016.

The total SOEP related expenditures by EMCP in Nova Scotia for 2016 were \$88.9 million. This represents 59.8% of the overall SOEP expenditures for the year. The cumulative SOEP expenditures in Nova Scotia since project sanction in 1998 now total \$2,883.8 million or 40.3% of the overall project expenditures.

Expenditures during the year continued to support on-going operations and maintenance activities as well as initiatives in areas of community support, education and training, research and development, technology transfer and support of diversity and inclusion programs.

1.0 Introduction

The 2016 Canada-Nova Scotia Benefits Report for SOEP is submitted to the CNSOPB as required by Section 2.6 of the SOEP Benefits Plan Decision Report issued in 1997. The report includes economic impact data arising from producing operations conducted in 2016 as well as cumulative data compiled since project sanction in 1998.

The following SOEP facilities were operated by EMCP in 2015 and are included in the scope of this report:

Offshore	Onshore
<ul style="list-style-type: none"> - Thebaud Central Processing Platform - Venture Platform - North Triumph Platform - Alma Platform - South Venture Platform - Export and Inter-field Pipelines 	<ul style="list-style-type: none"> - Goldboro Gas Plant - Point Tupper Fractionation Plant - Interconnecting NGL Pipeline

The successful operation and maintenance of these facilities requires a number of support services. EMCP is committed to sourcing such services, on a competitive basis, from the local supply community.

The table below lists examples of the support services that have been provided by the local supply community to SOEP operations.

Table 1 – Supply Community Services

Support Services Provided by the Supply Community	
<u>Operations</u>	<u>Business Services</u>
<ul style="list-style-type: none"> - Aviation services - Supply vessels and Marine crews - Catering personnel - Logistics and stevedoring - Staffing services - Laboratory testing and analysis 	<ul style="list-style-type: none"> - Customs clearance and brokerage - Courier services - Staffing services - On-land transportation services - Warehousing - Office materials and support - Communications services

Support Services Provided by the Supply Community	
<p><u>Maintenance</u></p> <ul style="list-style-type: none"> - Skilled Trades and services such as welding, mechanical fabrication, electrical, instrumentation, insulation and general labour - Painting and Fabric maintenance - Fabrication services - Maintenance materials and consumables - Valve and equipment services - Equipment and tool rentals - Scaffolding services - Diving services and support vessels 	<p><u>Engineering and Technical</u></p> <ul style="list-style-type: none"> - Technical support staff and engineering design services - Equipment inspection services - Data analysis - ROV inspection services and personnel - Survey services - Certification of facility design, maintenance and integrity
<p><u>Safety, Health and Environment</u></p> <ul style="list-style-type: none"> - Safety advisory services - Safety equipment - Safety training services - Environmental monitoring and testing services - Medical personnel and associated services - Weather monitoring and forecasting - Sea state monitoring – waves and currents 	<p><u>Well Services</u></p> <ul style="list-style-type: none"> - Equipment rentals and consumables - Staffing services - Logistics

2.0 Project Update

Maintaining the positive safety culture at the offshore and onshore operational sites as well as with the service contractors continued to be a focus during 2016. Safety performance remained strong with no lost time injuries (LTI) for employees or contractors occurring at any of the Sable Project sites during the year. It has now been more than 15 years since the last LTI at the offshore work locations and more than 13 years since the last LTI at the onshore work locations.

Monitoring programs for leading safety related indicators, that could help with risk prevention and mitigation to reduce incidents further, remained in place during 2016. EMCP has implemented processes to look at all incidents, even those with no injuries, to understand the potential of the incident. We seek to learn from any incident with the potential for a more serious outcome and share the results of our findings with our

organization, so our employees and contractors can learn how to better protect themselves and their coworkers.

The Operations Integrity Management System has been implemented by EMCP at all Sable Project facilities. This system sets expectations and processes aimed at effectively managing safety, environment and overall facility integrity. This system, which has the active support and participation of the EMCP employees and contractors, has been instrumental in building and sustaining a safety culture.

EMCP continued with the early planning and studies that will support the eventual decommissioning of the Sable Project. These activities will enable EMCP to bring forward a decommissioning plan and timetable.

The procurement process for long lead contracts that will be needed to support decommissioning commenced in 2015. During 2016 contracts for engineering, procurement, construction and maintenance (EPCM) services and well plug and abandonment (P&A) services were awarded to AMEC Black & McDonald and Halliburton Group Canada respectively.

Proposals from qualified bidders for the following services continued to be evaluated in 2016:

- Jack-Up Rig
- Engineering, Preparation, Removals and Disposal (EPRD) of Offshore Facilities
- Potential Offshore Support Base Detailed Design

EMCP is committed to providing timely communications with all stakeholders and full and fair opportunity for the local supply community to participate in decommissioning work activities as the scope is developed and implemented.

3.0 Economic Impact

Section 3.0 of the 2016 Canada – Nova Scotia Benefits Report includes data on the 2016 and cumulative economic impact of the SOEP. The project expenditures have been classified in one of three categories listed below based on the *Canadian General Standards Board Method*, which has been adopted by the CNSOPB for local benefits reporting purposes.

- *Nova Scotia,*
- *Other Canadian or*
- *Foreign*

Three other economic impact indicators - person hours of work, headcount and new hires are also included in this section.

In preparing the 2016 SOEP Canada Nova Scotia Benefits Report EMCP reviewed information provided by SOEP vendors, the scope of work for the vendor and the guidance available from the Canadian General Standards Board (CGSB) reporting guidelines. Data quality assurance methods used in the preparation of previous Benefits Reports were applied in the preparation this report.

Project Expenditures

The total project expenditures and percentages in each of the categories noted above for 2016 and cumulatively (1998 – 2016) are provided in Tables 2 below:

Table 2 – SOEP Expenditures (2016 and Cumulative)

	2016 Expenditures		Cumulative (1998-2016)	
	(\$million)	% of Total	(\$million)	% of Total
Nova Scotia	88.9	59.8%	2,884.0	40.3%
Other Canadian	28.9	19.5%	1,294.0	18.1%
Foreign	30.7	20.7%	2,981.5	41.6%
Total	148.5	100%	7,159.5	100%

Project Employment

Data on the SOEP project employment is included in following three classifications:

a) Person Hours of Work

Person hours of work are categorized as 'Nova Scotia', 'Other Canadian' or 'Foreign' based on the residency of the person performing the work. The Nova Scotia person hours of work conducted for SOEP activities during 2016 was 641,095 which represents 85.2% of the 2016 total of 752,229 person hours. The Nova Scotia total represents 321 full-time equivalent positions during 2016. Please refer to Table 3 below for the 2016 and cumulative (1998-2016) data on Person Hours of Work.

b) Year End Headcount

The year-end head count is a measure the number of people on shift and scheduled to work on the Sable Project at a fixed point each year (December 31). It differs from the full-time equivalent data reported under the person hours measure because it

represents a point in time as opposed to all employment activity over the full year. The 1 year end headcount was 361 on December 31, 2016. Please refer to Table 4 below for data on this metric for the previous five years (including 2016).

c) Residency of New Hires

The total number of new hires reported for the Sable Project and its major contractors during 2016 was 73. Please refer to Table 5 below for the historic distribution of the Residency of New Hires for the previous five years including 2016.

Table 3 – Person Hours of Employment (2016 and Cumulative)

	2016 Person Hours		Cumulative (1998-2016)	
	Thousands	% of Total	Millions	% of Total
Nova Scotia	641.1	85.2%	24.42	65.1%
Other Canadian	97.9	13.0%	3.69	9.8%
Foreign	13.3	1.8%	9.40	25.1%
Total	752.2	100%	37.51	100%

Table 4 – Year End Headcount

Year End	Activity in Nova Scotia	Activity in the Rest of Canada	Total Project Activity
2012	251	9	260
2013	265	13	287
2014	406	25	432
2015	444	23	467
2016	354	7	361

Table 5 – Residency of New Hires

Year	Nova Scotia	Other Canadian	Foreign	Total
2012	47	11	4	62
2013	74	16	5	95
2014	46	14	2	62
2015	70	17	0	87
2016	58	13	2	73

4.0 Diversity and Inclusion

EMCP, the Sable Project owners and the project’s major contractors continue to support the development of a diverse and inclusive workplace. Four designated groups (Aboriginal Peoples, Visible minorities, Women and Persons with disabilities) have been identified in employment equity legislation.

Table 6 below provides data collected from EMCP and the SOEP contractors for individuals who identified themselves as members of one or more of these designated groups over the past five years including 2016.

Table 6 – Traditionally Under-represented Groups

Year	Aboriginal Peoples	Visible Minorities	Women	Persons with Disabilities
2012	6	7	56	*
2013	5	5	40	*
2014	17	6	46	*
2015	16	9	39	*
2016	12	6	33	*

Note: Those categories in which the representation is five individuals or less are marked by an asterisk (*) to protect the privacy of individual respondents.

Information regarding gender representation is gathered from existing Human Resources records. Representation of other designated groups is based on voluntary self-identification data gathered through a confidential survey employee. The information is collected and recorded on employee files in the company's human resources database, accessible only by select designated HR staff.

Support from ExxonMobil Canada and Imperial Oil led to the establishment of the Indigenous Women in Community Leadership program offered by the Coady Institute’s International Centre for Women’s Leadership which continued in 2016.

This national program supports First Nations, Métis and Inuit women in building their capacities to be strong leaders and agents of change capable of strengthening and contributing to the development of their communities.

The program has been in existence since 2011 and provides successful candidates with a full scholarship that includes tuition, travel, accommodations, meals, and a three-month community placement stipend. Almost 100 First Nations, Métis and Inuit women have successfully completed the program since inception. The program has three components over the course of four months:

- A three-week course at the Coady International Institute, which includes training in Project Management, Aboriginal History, Leadership, Asset-Based Community Development, Positive Interpersonal Engagement Strategies and Proposal Writing.
- A three-month work placement which is identified and negotiated by the participant with the approval of the IWCL program manager.
- One week and a half at the Coady International Institute, which includes a two day course in Public Speaking and an opportunity for participants to reflect on their placement and the overall program; to present their community project placement results, and to graduate.

5.0 Capacity Development

Information on capacity development, which includes focused oil and gas related training and education activities, supplier development and technology transfer, is provided below.

Cooperative Student Employment and Cadet Programs

Cooperative education and work placement programs continued to be supported by EMCP and Sable contractors during 2016. The programs include university students in the engineering faculty and students attending the Nova Scotia Community College (NSCC).

During 2016 thirteen engineering and community college students were placed at the EMCP Halifax office or with our major contractors in Nova Scotia. The 2016 expenditures on these co-op programs amounted to \$157,828. The total excludes costs associated with mentoring of the students or any specialized training courses that were provided.

The program provided focused work opportunities for students of various disciplines. All students worked closely with mentors and gained hands on experience with day-to-day operational and business challenges. The students learned about safety, business and engineering practices, as well as computer applications.

Table 6 below summarizes the co-op program expenditures by EMCP and our contractors over the past five years including 2016.

Table 7 – Co-Op Work Placements

Year	Number of Placements	Cumulative Placements	Investment	Cumulative Investment
2012	8	592	\$165,400	\$5,689,191
2013	4	596	\$61,900	\$5,751,091
2014	14	610	\$152,400	\$5,903,491
2015	12	622	\$184,854	\$6,088,345
2016	13	635	\$157,828	\$6,246,173

Training and Education

In addition to the cooperative education initiative, training and education was provided for EMCP employees and contractor’s employees during 2016. The total training related expenditures for the year are provided in Table 6 below. The cumulative training and education expenditures since project sanction in 1998 exceeds \$51.0 million.

Table 8 – Training and Education Expenditures

(Including Co-op/Work Placement Programs, Community Training and Education Investments)	
Description of Training	Expenditures
Internal Training	\$121,157
Major Contractor Training	\$272,537
Co-op Programs	\$157,828
2016 Total	\$551,522

In addition to direct training and education activities undertaken by EMCP and our major contractors, EMCP and the Sable owners supported a number of other initiatives that assist and/or recognize the existing education and training infrastructure in Nova Scotia.

Techsploration

Three of the Sable Project owners (ExxonMobil Canada, Imperial Oil and Shell Canada) continued to support Techsploration in 2016. Techsploration, is a not-for-profit organization that was established in 1998. It provides young women from grades nine

through twelve with opportunities to explore science, trades and technology occupations, while creating awareness about the critical role of work in their lives. It also helps them understand the significance of high school math and science for their future careers. The goal of Techsploration is to increase the number of women working in science, trades and technology occupations by assisting young women from diverse backgrounds to explore a wide range of career options.

Technology Transfer

The application of site specific technology that uses digital images and footage together with associated software was broadened in 2016. The software links a facility's general arrangement plans with 360° spherical photography to create a virtual and interactive 3D walk-through of a facility. This technology was first deployed for use at the offshore facilities and in the Halifax office in 2015. During 2016, approximately 100 EMCP and contractor employees accessed the technology to enhance their knowledge of the facility design and improve efficiency in facility maintenance and modifications.

During 2016 two workplace safety awareness and associated training programs were implemented that have application beyond the Sable facilities. A program focused on identifying and preventing potential dropped objects, with the ultimate goal of delivering a second nature dropped objects prevention strategy was rolled out to more than 150 employees and contractors at Sable. The awareness and learnings from the program can be applied to any workplace. A second program designed to proactively prevent common musculoskeletal injuries both on and off the job was rolled out to more than 50 employees and contractors. The goal of the program is to provide an action and education process that is proven to reduce strain, pain and musculoskeletal injuries by focusing on ergonomics, body mechanics and fitness along with observation, coaching and medical management.

The estimated cumulative value of the technology transfer associated with the Sable Project since sanction in 1998 now exceeds \$32 million.

6.0 Research and Development Initiatives

A Research and Development Plan has been approved by the CNSOPB as required by Condition 4 of the SOEP Benefits Plan Decision Report. Under this approved plan, EMCP and the Sable owners have committed to expenditures in Nova Scotia of at least \$375,000 per year and an aggregate of \$3,000,000 over the five-year period of 2013 – 2017.

In addition to the initiatives considered to be R&D under the terms of the five-year plan, the Sable owners and the contracting community continued to support broader R&D activities in Nova Scotia during 2016.

During 2016 these R&D activities amounted to \$439,900 bringing the cumulative R&D expenditures since project sanction in 1998 to more than \$31M.

Table 9 – Research and Development Expenditures 2016 and Cumulative

Year	Investment	Cumulative (since Project sanction)
2016	\$439,900	\$31,101,807

Examples of Supported R&D Initiatives

Geoscience Research at Nova Scotia Universities

EMCP and the Sable owners have supported geological and geoscience research at Dalhousie University since 2012. This initiative has included financial as well as guest seminar instructors that helped support the development of program students. The Sable owners also provided researchers with access to a comprehensive set of seismic data that was collected in the offshore Nova Scotia Sable sub-basin. The combination of a financial commitment and access to the seismic data provides practical tools and research opportunities for local student researchers.

Activities supported by the geological and geoscience research grant included a petroleum systems overview and field trips to locations in Nova Scotia with varying geologic features. Examples of research projects have been conducted and /or are underway as a result of the support provided by the Sable owners include:

- Carbonate margin to delta transitions: Stratigraphy of the Jurassic carbonate platform and Sable delta
- Reservoir Quality and Architectural Elements of Mesozoic Rift Basin Sediments, Scotian Margin
- Reservoir Connectivity and Overpressure in the Sable Sub-basin
- Development of an Integrated GIS Database
- Reservoir Characterization
- Characterization of source rock geochemistry and potential
- Hydraulic Fracturing, Unconventional Hydrocarbon Systems and Carbon Capture & Storage
- Sequence Stratigraphy of the Banquereau Formation
- Multi-Scale Permeability Modeling of the Cretaceous Mississauga Formation
- Overpressure Conditions in the Scotian Basin
- Hydrocarbon Potential of the Sable Delta Producing Reservoirs
- Production of a Source Rock Atlas and Geochemistry of the Scotian Margin

- Reservoir Architecture of Meanderbelt Systems and Vegetation Density in the Carboniferous using Lidar Imagery and Ground Penetrating Radar
- Penobscot Seismic Attribute Study

Pengrowth Nova Scotia Energy Scholarship Programs

The Energy Scholarships and the Innovation Grants components of the Pengrowth Nova Scotia Energy Scholarship Program provides financial support that helps ensure the success of future oil and gas industry leaders. Since its inception, the program has supported more than 200 students and researchers with more than \$1 million in funding. By providing scholarships to students pursuing energy related studies at both universities and the Nova Scotia Community College, the Pengrowth-Nova Scotia Energy Scholarship Program helps students develop the skills and knowledge they need to become leaders in the energy sector.

– **Pengrowth - Nova Scotia Petroleum Innovation Grant Program**

The Pengrowth-Nova Scotia Petroleum Innovation Grant can be awarded each year and are awarded to Nova Scotia students pursuing energy-related studies at the master's degree level.

The 2016 recipient of the Innovation Grant is Christopher Sangster, a master's student in Applied Science at Saint Mary's University. Mr. Sangster's graduate project will explore the potential for commercial petroleum deposits in the Scotian Basin.

Stephen Rankin was the 2015 recipient of the Innovation Grant and his work as a master's student in Applied Science at St. Mary's University continued in 2016. Mr. Rankin's research is focused on biostratigraphy and petroleum geology in Atlantic Canada.

– **Pengrowth - Nova Scotia Energy Scholarship Program**

In 2016 sixteen Nova Scotia students were chosen to receive the Pengrowth-Nova Scotia Energy Scholarship. Eight received university scholarships worth as much as \$10,000 each, \$2,500 renewable over four years, based on a combination of extracurricular activities and academic performance. Eight others received \$2,500 non-renewable scholarships at the Nova Scotia Community College.

The program offers up to 12 renewable scholarships, valued at \$10,000 each (\$2,500 per year over four years) to students pursuing energy related studies at a university and up to ten non-renewable \$2,500 scholarships for first-year students pursuing energy related trades and technology programs at the Nova Scotia Community College.

Sable Island Research

EMCP and the Sable owners supported two research activities conducted on Sable Island during 2016. One project that has been carried out for a number of years is comprised of regular surveys to gather data on beached birds. The data which is collected is part of an effort to monitor trends in the number and rates of oiling in beached seabirds.

Specimens were collected in order to identify possible oil types contributing to any observed oiled birds with the overall objectives being:

- Monitoring of trends in oiling rate in beached seabird corpses over the long term; and
- Generically identify oil types found on seabird feathers and in pelagic tar.

A second project carried out during the year was focused on analysis of air quality data collected from monitoring equipment located on Sable Island. EMCP and the Sable owners provided financial and in-kind support for third party analysis of air quality and meteorological data from 2016 that included cross referencing data to wind direction/wind speed to assess whether the observed data could be attributed to offshore operations. The analysis concluded that there were no instances of exceeding air quality standards and no indication of offshore operations contributing adversely to the air quality on the Island.

7.0 Community Education and Participation

EMCP, the other Sable owners, many of the Sable Project major contractors and their employees continued to support the communities in which we live and work. Wherever we operate, we try to strengthen local communities by donating time, talent or money to many organizations that provide much-needed services or enhance the culture of the our community. Some of the highlights from 2016 are noted below.

Supporting the Community

United Way The Sable Project employees and contractors continued to support the Metro United Way and the United Way of Pictou County - organizations that support the communities in which we operate. Donations made by ExxonMobil's Sable Project employees at the Goldboro Gas Plant, Point Tupper Liquid Fractionation Plant, and offshore facilities go to the United Way of Pictou County. The United Way of Pictou County helps people in communities across Eastern Nova Scotia, including those in Guysborough, Antigonish and Pictou Counties.

Leave Out Violence (LOVE) LOVE is a charitable, not for profit organization that uses innovative arts and self-expression based techniques to assist violence-affected youth in transforming their life experiences into peace-making work. LOVE fosters the

cultivation of leadership and life skills. During 2016 ExxonMobil Canada provided support for a LOVE Leadership Retreat. The retreat gathered 40 Youth Leaders from Membertou First Nation, Sipekne'katik First Nation, and Halifax for a 3-day, 2-night event, for the purpose of honing leadership skills and engaging in a cross-cultural exchange.

CIBC Run for the Cure ExxonMobil Canada staff, their families and friends came out to support the CIBC Run for the Cure in Halifax on October 2. The run/walk is held annually to raise funds in aid of the Canadian Breast Cancer Foundation.

Habitat for Humanity Nova Scotia Habitat for Humanity Nova Scotia has supported the construction of homes for families in need since 1992. During 2016 the Sable owners provided financial support to help the organization achieve its goals in the community.

Supporting Education

The Xaverian Scholarship and Bursary Fund/Jeannine Deveau Educational Equity Endowment This endowment, established through the generosity of an alumna of St. Francis Xavier University, was created to enhance the educational opportunities for Aboriginal Canadian and African Nova Scotian students at the university level and all levels of the education system. The endowment supports a number of interrelated initiatives targeted at reducing the educational achievement gaps experienced by learners in both communities in comparison with the general Canadian population. Initial initiatives funded by the endowment include scholarships and bursaries, student service support, community outreach, and academic related programming. ExxonMobil Canada provided support to this endowment in 2016.

Bursaries for High School Graduates There were 24 bursaries awarded in 2016 to qualifying students graduating from seven high schools in Guysborough, Inverness, Antigonish and Richmond counties. The bursaries, which assist with the cost of postsecondary education, are funded by the Sable Project owners.

Junior Achievement – Nova Scotia The Sable owners continued to support Junior Achievement (JA) in Nova Scotia. Volunteers from the business community deliver the programs through a variety of classroom activities, discussions, and exercises that simulate real world business practices. In Nova Scotia, JA delivers four programs for students from grades 6 through 12 - Our Business World, Dollars With Sense, Economics for Success, and Company Program.

Supporting the Arts

Stan Rogers Folk Festival (Stanfest) The Sable Project support for Stanfest date back to the festival's inception in 1997. The 3-day music festival, held annually in Canso, honours the legacy of Stan Rogers, an artist that managed to influence a whole

generation of performers, while contributing to the emerging popularity of East Coast Music.

Neptune Theatre The Sable Project owners and the Imperial Oil Foundation continued to support Neptune Theatre in 2016. Neptune Theatre is Atlantic Canada's largest professional regional theatre. The theatre is also home to a year-round Theatre School which operates classes, camps and workshops as well as coordinating elite training programs, such as the Youth Performance Company, the Pre-Professional Training program, the Musical Theatre Foundation Program and the Young Actors Company. The school provides aspiring local actors an opportunity to work with and learn from this region's top artistic talent.

Festival Antigonish The Sable Project has supported Festival Antigonish since the late 1990's. The Festival is a place where Nova Scotia artists can create dynamic new works and gain valuable experience performing in works produced to the highest artistic and technical standards.

Mulgrave Road Theatre The Mulgrave Road Theatre is a professional touring theatre that has enabled a wide audience to experience acclaimed works by some of Atlantic Canada's most respected playwrights. Local performances are held at the Guysborough Masonic Hall, at the Mulgrave Road Theatre Centre, and at Guysborough's 300-seat performance space, Chedabucto Place Performance Centre. The Theatre has also made a commitment to reaching out to young performers. The Sable Project continued to support the Mulgrave Road theatre in 2016.

APPENDICES

Appendix 1 – 2016 Sable Project Person Hours 19

Appendix 2 - 2016 Research and Development Initiatives 20

Appendix 1

Sable Project Person Hours 2016 EMCP and Major Contractors

	NS	OC	FOR	TOTAL
AMEC Black and MacDonald	163,921	0	0	163,921
AMEC Foster Wheeler	2,153	533	0	2,686
AOMS	4,380	0	0	4,380
Blue Water Agencies	19,493	0	0	19,493
Cougar Helicopters	45,778	18,913	0	64,691
Dominion Diving Ltd.	12,108	0	0	12,108
East Coast Catering	17,520	0	0	17,520
EM&I	44,817	7,380	6,868	59,065
Envirossystem Inc.	3,237	0	0	3,237
ExxonMobil Canada (Sable Project)	150,000	6,000	6,000	162,000
Hercules	24,200	0	0	24,200
Lloyd's Register	2,212	500	400	3,112
Reliance Offshore Canada	32,000	0	0	32,000
Secunda Canada	103,386	64,468	0	167,854
SGS	15,890	72	0	15,962
TOTAL	641,095	97,866	13,268	752,229

Appendix 2

2016 Research and Development Initiatives

Recipient	Program Description	Investor
Dalhousie University	Geoscience Research	Sable Owners
Zoe Lucas	Beached Bird Survey	Sable Owners
Nova Scotia Students	The Pengrowth - Nova Scotia Scholarships	Pengrowth
Nova Scotia University Students	The Pengrowth-Nova Scotia Innovation Grant	Pengrowth
Kingfisher Environmental Health Consultants	Sable Island Air Monitoring Data Analysis	Sable Owners