

## PUBLICATIONS CATALOGUE

**December 2018**

### Ordering Instructions

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## Atlantic Canada

### **Atlantic Canada Medical Assessment for Fitness to Work Offshore May 2016**

May 2016 Pub #: 2016-0023 24 p. Price:\$

Available: Electronic

(E) It is a requirement within the Atlantic Canada offshore petroleum industry that all individuals employed at offshore installations undergo an evaluation of their medical fitness prior to basic survival training, travelling offshore and periodically throughout the duration of their employment on an offshore installation.

This Guide outlines the industry best practices for the evaluation of medical fitness and provides a protocol for examining physicians to assess fitness to work in an offshore environment.

### **Atlantic Canada Offshore Petroleum Industry - Supply Chain Management**

Aug 2004 Pub #: 2004-0013 12 p. Price:\$ 0

Available: Electronic

(E) This document contains the recommended practices between offshore operators and supply/service organizations operating in Atlantic Canada to improve their commercial working relationship. Through the sharing of information and streamlining the supply chain management process, it will make the procurement of goods and services for the offshore petroleum industry in Atlantic Canada more efficient and effective. Operators are also encouraged to provide this document to their major contractors and encourage its use in their relationship with supply/service organizations. Supply/Service Associations are also encouraged to share this document with their membership and encourage its use in their members' relationship with oil and gas producers and their major contractors.

### **Atlantic Canada Offshore Petroleum Industry Escape, Evacuation and Rescue Guide**

Jun 2010 Pub #: 2010-0017 34 p. Price:\$ 0

Available: Electronic

(E) The Atlantic Canada Offshore Petroleum Industry Escape, Evacuation and Rescue Guide is the culmination of a joint effort among offshore industry operators, drilling contractors and regulatory authorities. The resulting Guide is intended to assist operators with respect to escape, evacuation and rescue (EER) by establishing the broad performance goals of escape, evacuation and rescue emergency response. The concept of a performance or goal based approach to escape, evacuation and rescue was envisioned in the report by the Royal Commission on the Ocean Ranger Marine Disaster, 1985 recommendations 81 and 107.

### **Atlantic Canada Offshore Petroleum Industry Safe Lifting Practice**

May 2013 Pub #: 2013-0012 64 p. Price:\$

Available: Electronic

(E) The Standard Practice Atlantic Canada Offshore Petroleum Industry Safe Lifting Practices Respecting: Offshore Pedestal Cranes, Offshore Pedestal Cranes, Offshore Containers, Loose Gear, Other Lifting Devices, and Operational Best Practices was developed by a working group with representatives of Industry, the Offshore Petroleum Boards and Certifying Authorities to outline industry "best practices" for operators responsible for the management, planning and execution of offshore lifting operations and to assist in the interpretation of applicable legislation and standards. Considered within the Practice are safe design requirements, manufacture, certification, testing, maintenance and inspection requirements for pedestal cranes, offshore containers, loose gear and lifting devices. Operational best practices for lifting operations, a process for equivalencies and a gap-analysis for operators are also included.

### **Canada's Offshore Oil and Natural Gas Industry in Nova Scotia**

Jul 2018 Pub #: 2018-0034 2 Price:\$

Available: Electronic

(E) Offshore operators have been exploring for and developing resources safely and responsibly in offshore Nova Scotia for decades, benefiting all residents of the province. Canada's oil and natural gas industry contributes to local community and provincial revenues through royalty and tax payments, which help to pay for hospitals, roads, schools and social programs.

### **Canada's Offshore Oil and Natural Gas Industry in Newfoundland and Labrador**

JUN 2018 Pub #: 2018-0018 2p. Price:\$

Available: Electronic

(E) Offshore operators are exploring for and developing resources safely and responsibly in Newfoundland and Labrador, benefiting all residents of the province. The oil and natural gas industry contributes to local community and provincial revenues through royalty and tax payments, which help to pay for hospitals, roads, schools and social programs.

### **Canadian East Coast Offshore Operators Non-attributable Fisheries Damage Compensation Program**

Feb 2007 Pub #: 2007-0002 24 p. Price:\$ 0

Available: Electronic

(E) The Canadian East Coast Offshore Operators Non-attributable Fisheries Damage Compensation Program (the program) is a program the fishing industry can follow as an alternative to making a claim through the courts or other regulatory authorities. Although claims for loss or damage can be made under the laws applicable in Canada, this program offers a simpler, less expensive, confidential

process for obtaining appropriate compensation. The intent of this program is to demonstrate the commitment of CAPP's members who operate in the Atlantic Canada offshore area to the efficient and fair resolution of claims proven to be attributable to upstream oil and gas activity and not attributable to any one particular operator. The program provides a basis for addressing damage to the vessel or gear of aquaculturists or commercial fish harvesters.

## **Code of Practice - Transportation of Employees by Vessel to or from a Workplace in the Offshore Petroleum Industry - Newfoundland and Labrador**

Mar 2017 Pub #: 2017-0023 14 p. Price:\$

Available: Electronic

(E) Operators in the Newfoundland and Labrador offshore area, represented by CAPP, have developed this Code of Practice to provide guidance and a consistent practice for the safe transportation of Employees by vessel to, from and between an Operator's offshore Workplaces.

## **Dispersants: Improving Offshore Oil Spill Response**

Jul 2014 Pub #: 2014-0033 2 p. Price:\$

Available: Electronic;Print

(E) Dispersants are chemical agents specifically designed for use in marine environments, to speed up natural oil dispersion. Dispersants can be rapidly sprayed onto an oil spill by a specially equipped aircraft or vessel, or injected directly into a subsea spill. Dispersants are one of several response tools that have been proven safe and effective in managing and mitigating oil spills. This fact sheet explains how dispersants work and how and why they are used. See also: 2006-0012

## **Exploration Drilling in Atlantic Canada Offshore Fact Sheet**

Oct 2017 Pub #: 2017-0047 4 p. Price:\$

Available: Electronic

(E) Offshore exploration wells are drilled to confirm whether geological formations identified in seismic surveys contain oil and natural gas. This fact sheet outlines the steps taken in planning and implementing an offshore drilling program, as well as the key equipment used.

## **Managing Produced Water in Atlantic Canada's Offshore Oil and Natural Gas Industry**

SEP2018 Pub #: 2018-0038 2p. Price:\$

Available: Electronic

(E) Water is an integral part of oil and gas production. In the offshore, water that has been extracted from an oil and gas reservoir – or produced water – must be treated and disposed of in a manner that ensures the marine environment is protected.

## **Marine Seismic Surveys: The Search for Oil and Natural Gas Offshore**

NO 2016 Pub #: 2016-0040 2p. Price:\$

Available: Electronic

(E) Marine seismic surveys use sound energy to map geological structures under the seabed. Devices use compressed air to produce pulses of high-energy, low-frequency sound waves that travel through the water and penetrate more than 6,000 metres into rock layers below the sea floor. These sound waves bounce back to the ocean surface where receivers record the strength and return time of each sound wave. From this data, maps of the geology below the seabed are developed.

## **Responsible Canadian Energy: 2014 Atlantic Canada Offshore Supplemental Report**

Dec 2014 Pub #: 2014-0037 20 p. Price:\$

Available: Electronic;Print

(E) The 2014 Responsible Canadian Energy (RCE) Atlantic Canada offshore supplemental report highlights the oil and gas industry's activities in the Atlantic Canada offshore and acts as a complement to the 2014 RCE progress report. It articulates industry's contribution to Atlantic Canada's economic prosperity, and the offshore industry's performance in three areas—people, air and water—covering key environmental and social metrics. The analysis in this report is based on 2013 data collected from CAPP's upstream oil and gas producing member companies with offshore Atlantic Canada operations. Graphs in this report show performance trends for the period 2009 to 2013. Wherever possible, case studies and updated information for 2014 have also been provided.

See also: 2014-0036

## **Safety Training in Atlantic Canada's Offshore Oil and Gas Industry**

Oct 2012 Pub #: 2012-0017 4 p. Price:\$ 0

Available: Electronic;Print

(E) Keeping people safe is the first consideration in all aspects of offshore oil and gas activity. Making sure employees are equipped with the skills and training necessary to do their jobs safely is one of the ways the industry works to keep employees safe.

## **Safety Training: Atlantic Canada's Offshore Oil and Natural Gas Industry**

SEP2018 Pub #: 2018-0037 3p. Price:\$

Available: Electronic

(E) Keeping people safe is the first consideration in all aspects of offshore oil and natural gas activity. Making sure employees have the skills necessary to do their jobs safely

by providing relevant and appropriate training is one of the ways the industry strives to keep employees safe.

## **Spill Prevention and Response in Atlantic Canada**

Jun 2006 Pub #: 2006-0012 4 p. Price:\$ 0

Available: Electronic;Print

(E) This brochure describes how Atlantic Canadian offshore companies strive to prevent spills from oil and gas operations in the first place and how they would respond if a spill occurred.

## **Water Use for Hydraulic Fracturing in British Columbia**

Jul 2018 Pub #: 2018-0032 2 Price:\$

Available: Electronic

(E) Hydraulic fracturing is a government-regulated technology used safely for more than 60 years to recover shale or tight natural gas that is trapped in deep underground rock. In British Columbia, water used for natural gas development is regulated by the BC Oil & Gas Commission (BCOGC). Industry is focusing on increasing use of alternatives and reducing the amount of surface water and fresh groundwater used in hydraulic fracturing.

## **Best Management Practices**

### **Atlantic Canada Offshore Petroleum Industry Safe Lifting Practice**

May 2013 Pub #: 2013-0012 64 p. Price:\$

Available: Electronic

(E) The Standard Practice Atlantic Canada Offshore Petroleum Industry Safe Lifting Practices Respecting: Offshore Pedestal Cranes, Offshore Pedestal Cranes, Offshore Containers, Loose Gear, Other Lifting Devices, and Operational Best Practices was developed by a working group with representatives of Industry, the Offshore Petroleum Boards and Certifying Authorities to outline industry "best practices" for operators responsible for the management, planning and execution of offshore lifting operations and to assist in the interpretation of applicable legislation and standards. Considered within the Practice are safe design requirements, manufacture, certification, testing, maintenance and inspection requirements for pedestal cranes, offshore containers, loose gear and lifting devices. Operational best practices for lifting operations, a process for equivalencies and a gap-analysis for operators are also included.

### **Best Management Practice for Fugitive Emissions Management**

Jan 2007 Pub #: 2007-0003 59 p. Price:\$ 0

Available: Electronic

(E) The aim of this Best Management Practices document is to assist the upstream oil and gas industry to meet the requirements under section 8.7 of AEUB Directive 060 and to cost effectively manage the most likely sources of significant emissions.

### **Best Management Practice for Wildfire Prevention**

Jan 2008 Pub #: 2007-0022 75 p. Price:\$ 0

Available: Electronic

(E) These Best Management Practices are to be used collectively by the upstream oil and gas industry to assist them in the prevention of industry caused wildfires, and to mitigate the impact of catastrophic fires on industry infrastructure, operations, liability, personnel safety and the environment.<P>See also the <A HREF="http://esrd.alberta.ca/wildfire/fire-smart/documents/FireSmart-Guidebook-OilAndGasIndustry-2008.pdf" target="\_blank">FireSmart Guidebook for the Oil and Gas Industry</A> co-sponsored by the Alberta Department of Sustainable Resource Development and CAPP. This Guidebook addresses both the threat of wildfire to oil and gas industry values as well as the potential liability of the oil and gas industry. It is intended as a guide for industry planning engineers and safety program managers throughout the province.

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## **Best Management Practice Guide for Designated Pipeline Sections in High-impact Areas**

Jul 2015 Pub #: 2015-0011 16 p. Price:\$

Available: Electronic

(E) This Best Management Practice Guide provides members an industry standard for the design, construction and operation of designated pipelines in high-impact areas.

## **Best Management Practice: Pipeline Leak Detection Programs**

MAY2018 Pub #: 2018-0020 15p. Price:\$

Available: Electronic

(E) The purpose of this BMP is to provide a guide to pipeline leak detection program best management practices that can be applied in the broadest range of applications, noting there is diversity in the practical problems that will be encountered in pipeline leak detection.

## **Best Management Practices for Facility Flare Reduction**

Dec 2006 Pub #: 2006-0018 47 p. Price:\$ 0

Available: Electronic

(E) This Best Management Practice (BMP) document provides design and operating staff with a recommended approach to identify routine and non-routine flare sources and quantities, and assesses the opportunity for reduction of flare volumes and frequency at their operated facilities. The guidance provided in this BMP can also apply to routine and non-routine venting.

## **CAPP Best Management Practices for the Control of Benzene Emissions from Glycol Dehydrators Archive Memo, March 2016**

Mar 2016 Pub #: 2006-0011 1 p. Price:\$

Available: Electronic

(E)

## **CAPP Hydraulic Fracturing Industry Shared Practices: Anomalous Induced Seismicity Due to Hydraulic Fracturing**

FEB2014 Pub #: 2017-0008 4p. Price:\$

Available: Electronic

(E) The Industry Shared Practices ensures that CAPP members have access to the same information so that any potential risks related to induced seismicity caused by hydraulic fracturing is managed using the best available information, technology and science.

## **Clubroot Disease Management Best Management Practice**

JUL 2008 Pub #: 2008-1030 7 p. Price:\$ 0

Available: Electronic

(E) CAPP is aware of the concerns about clubroot disease in canola and we support management measures. The oil and

gas industry recognizes that it is just one player in the management of this crop disease with primary responsibility resting with landowners. CAPP and its industry partners are committed to meeting or the regulations (specifically the Alberta Weed Control Act, Alberta Pest Act, Alberta Clubroot Management Plan, and county/municipality requirements as specified by the agricultural fieldmen). We will continue to work proactively with Alberta Agriculture and Rural Development as the primary regulator for managing and regulating the clubroot problem. See also: n/a

## **Mitigation of internal corrosion in carbon steel gas pipeline systems**

SEP2018 Pub #: 2018-0040 24p. Price:\$

Available: Electronic

(E) This document addresses design, maintenance and operating considerations for the mitigation of internal corrosion in gas pipeline systems constructed with carbon steel materials.

## **Mitigation of internal corrosion in carbon steel water pipeline systems**

NO 2018 Pub #: 2018-0046 20p. Price:\$

Available: Electronic

(E) This document addresses design, maintenance and operating considerations for the mitigation of internal corrosion in water handling systems. Typically, these would be pipelines used to convey fresh source water, produced water for water flood purposes, water sent for disposal in disposal wells, or steam condensate. This document does not address the deterioration of aluminum and non-metallic pipelines.

## **Process Safety Management Regulatory Scan Report**

Aug 2014 Pub #: 2014-0026 56p. Price:\$

Available: Electronic

(E) The management of process safety is globally recognized as the primary approach for establishing the required level of safe operations required to manage high-hazard processes. This summary was prepared on behalf of the CAPP Process Safety Management (PSM) Committee. The purpose is to provide an overview of process safety regulations and best practices in Canada and around the world. In Canada, many of the regulations required to address process safety management already exist together with responsible regulatory agencies. The key will be identifying the regulatory gaps and overlaps to ensure problem areas are targeted and a cohesive enforcement strategy developed. A joint regulator - industry dialog will be critical to ensure the success of these efforts. There has already been an extensive amount of work done on this subject. This summary leans heavily on the prior work done by a range of organizations and individuals. These are acknowledged throughout this overview. Links to key documents are provided in Appendix B.

## Update of Fugitive Equipment Leak Emission Factors

Feb 2014 Pub #: 2014-0023 47 p. Price:\$

Available: Electronic

(E) This publication presents updated average emission factors for estimating emissions from fugitive equipment leaks at upstream oil and natural gas (UOG) facilities. The previous factors (CAPP, 2005) were developed based on measurement results collected from the mid 1990s to early 2000s. The updated factors are reflective of current conditions at UOG facilities that have implemented DI&M programs in accordance with the CAPP Best Management Practice of Fugitive Emissions at Upstream Oil and Gas Facilities and applicable regulatory requirements.

## Use of HDPE Lined Pipelines

MAY2017 Pub #: 2017-0006 53p. Price:\$

Available: Electronic

(E) This Best Management Practice for Use of HDPE Lined Pipelines is meant to provide increased awareness among designers, installers and users of high density polyethylene (HDPE) lined pipeline systems of some industry practices and lessons learned regarding HDPE lined pipelines, as used by the upstream oil and gas industry. The document highlights lessons learned and recommended best practices gathered from Canadian industry experiences; provides some guidance for designers, installers and users who may have limited experience with HDPE lined pipelines.

## Use of Reinforced Composite Pipe (Non-Metallic Pipelines)

APR2017 Pub #: 2017-0005 77p. Price:\$

Available: Electronic

(E) The Best Management Practice for Use of Reinforced Composite Pipe (Non-Metallic Pipelines) is meant to provide increased awareness among designers, installers and users of non-metallic reinforced composite pipeline systems of some industry practices and lessons learned regarding reinforced composite pipelines as used by the upstream oil and gas industry. The document highlights differences between conventional steel pipe and reinforced composite pipe; lessons learned and recommended best practices as gathered from Canadian industry experiences; and provides some guidance for designers, installers, and users who may have limited experience with reinforced composite pipelines.

## CAPP Newsletters

### Context - Volume 2, Issue 1

Apr 2014 Pub #: 2014-9204 39 p. Price:\$

Available: Electronic;Print

(E) Context is CAPP's quarterly member magazine with updates on CAPP activities and milestones, feature stories with authoritative insider voices on timely industry trends and topics, as well as industry-related stats, facts, analysis and educational content.

### Context - Volume 2, Issue 2

Aug 2014 Pub #: 2014-9202 44 p. Price:\$

Available: Electronic;Print

(E) Context is CAPP's quarterly member magazine with updates on CAPP activities and milestones, feature stories with authoritative insider voices on timely industry trends and topics, as well as industry-related stats, facts, analysis and educational content.

### Context - Volume 2, Issue 3

Dec 2014 Pub #: 2014-9203 40p. Price:\$

Available: Electronic;Print

(E) Context is CAPP's quarterly member magazine with updates on CAPP activities and milestones, feature stories with authoritative insider voices on timely industry trends and topics, as well as industry-related stats, facts, analysis and educational content.

### Context - Volume 3, Issue 1

Feb 2015 Pub #: 2015-9201 16 p. Price:\$

Available: Electronic;Print

(E) Context is CAPP's quarterly member magazine with updates on CAPP activities and milestones, feature stories with authoritative insider voices on timely industry trends and topics, as well as industry-related stats, facts, analysis and educational content.

### Context - Volume 3, Issue 2

Apr 2015 Pub #: 2015-9202 20 p. Price:\$

Available: Electronic;Print

(E) Context is CAPP's quarterly member magazine with updates on CAPP activities and milestones, feature stories with authoritative insider voices on timely industry trends and topics, as well as industry-related stats, facts, analysis and educational content.

### Context - Volume 3, Issue 3

Aug 2015 Pub #: 2015-9203 20 p. Price:\$

Available: Electronic;Print

(E) Context is CAPP's quarterly member magazine with updates on CAPP activities and milestones, feature stories

# CAPP Publications Catalogue

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with authoritative insider voices on timely industry trends and topics, as well as industry-related stats, facts, analysis and educational content.

## **Context Vol 4 Issue 4**

DEC2016 Pub #: 2016-9204 20p. Price:\$

Available: Electronic;Print

(E) Context is CAPP's quarterly member magazine with updates on CAPP activities and milestones, feature stories with authoritative insider voices on timely industry trends and topics, as well as industry-related stats, facts, analysis and educational content.

## **Context Volume 3 Issue 4**

Nov 2015 Pub #: 2015-9204 20 p. Price:\$

Available: Electronic;Print

(E) Context is CAPP's quarterly member magazine with updates on CAPP activities and milestones, feature stories with authoritative insider voices on timely industry trends and topics, as well as industry-related stats, facts, analysis and educational content.

## **Context Volume 4 Issue 1**

FEB2016 Pub #: 2016-9201 12 p. Price:\$

Available: Electronic;Print

(E) Context is CAPP's quarterly member magazine with updates on CAPP activities and milestones, feature stories with authoritative insider voices on timely industry trends and topics, as well as industry-related stats, facts, analysis and educational content.

## **Context Volume 4 Issue 3**

AU 2016 Pub #: 2016-9203 20p. Price:\$

Available: Electronic;Print

(E) Context is CAPP's quarterly member magazine with updates on CAPP activities and milestones, feature stories with authoritative insider voices on timely industry trends and topics, as well as industry-related stats, facts, analysis and educational content.

## **Context Volume 5 Issue 1**

MAY2017 Pub #: 2017-9201 12p. Price:\$

Available: Electronic;Print

(E) Context is CAPP's quarterly member magazine with updates on CAPP activities and milestones, feature stories with authoritative insider voices on timely industry trends and topics, as well as industry-related stats, facts, analysis and educational content.

## **Context Volume 5 Issue 2**

DEC2017 Pub #: 2017-9202 12p. Price:\$

Available: Electronic;Print

(E) Context is CAPP's quarterly member magazine with

updates on CAPP activities and milestones, feature stories with authoritative insider voices on timely industry trends and topics, as well as industry-related stats, facts, analysis and educational content.

## **Context, Vol 4 Issue 2**

MAY2016 Pub #: 2016-9202 20p. Price:\$

Available: Electronic;Print

(E) Context is CAPP's quarterly member magazine with updates on CAPP activities and milestones, feature stories with authoritative insider voices on timely industry trends and topics, as well as industry-related stats, facts, analysis and educational content.

## Climate Change

### **A National Inventory of Greenhouse Gas (GHG), Criteria Air Contaminant (CAC) and Hydrogen Sulphide (H2S) Emissions by the Upstream Oil and Gas Industry, Volume 1, Overview of the GHG Emissions Inventory**

Apr 2005 Pub #: 2005-0011 246 p. Price:\$ 0

Available: Electronic

(E) This report describes the calculation of greenhouse gas emissions and emission intensity in the upstream oil and gas industry by sub-sector, excluding oil sands mining and upgrading, and natural gas transmission. The study is based on a detailed analysis of emissions by facility for the year 2000. Data are provided by province for the years 1990 to 2000. See also: 2005-0012, 2005-0013, 2005-0014, 2005-0015

### **A National Inventory of Greenhouse Gas (GHG), Criteria Air Contaminant (CAC) and Hydrogen Sulphide (H2S) Emissions by the Upstream Oil and Gas Industry, Volume 2, Overview of the CAC Inventory**

Apr 2005 Pub #: 2005-0012 84 p. Price:\$ 0

Available: Electronic

(E) A detailed inventory of greenhouse gas (GHG)<sup>1</sup>, criteria air contaminant<sup>2</sup> (CAC) and hydrogen sulphide (H2S) emissions is presented for the Canadian upstream oil and gas (UOG) industry for the period of 1990 to 2000. The results are summarized at the national and provincial level for the years 1990 to 2000, and at the facility level for the year 2000. Additionally, emission and energy intensity data are presented by type of facility for the year 2000 where data were available to do so. guidance for GHGs. IPCC methodology and provincial definitions. See also: 2005-0011, 2005-0013, 2005-0014, 2005-0015

### **A National Inventory of Greenhouse Gas (GHG), Criteria Air Contaminant (CAC) and Hydrogen Sulphide (H2S) Emissions by the Upstream Oil and Gas Industry, Volume 3 Methodology for Greenhouse Gases**

Apr 2005 Pub #: 2005-0013 120 p. Price:\$ 0

Available: Electronic

(E) This volume describes the methodology which has been used to develop the present GHG emissions inventory for the subject portions of the oil and gas industry for the year 2000. See also: 2005-0011, 2005-0012, 2005-0014, 2005-0015

### **A National Inventory of Greenhouse Gas (GHG), Criteria Air Contaminant (CAC) and Hydrogen Sulphide (H2S) Emissions by the Upstream Oil and Gas Industry, Volume 4 Methodology for CAC and H2S Emissions**

Apr 2005 Pub #: 2005-0014 121 p. Price:\$ 0

Available: Electronic

(E) This volume describes the methodology which has been used to develop the present CAC and H2S emissions

inventory for the subject portions of the oil and gas industry for the year 2000. See also: 2005-0011, 2005-0012, 2005-0013, 2005-0015

### **A National Inventory of Greenhouse Gas (GHG), Criteria Air Contaminant (CAC) and Hydrogen Sulphide (H2S) Emissions by the Upstream Oil and Gas Industry, Volume 5, Compendium of Terminology, Information Sources, etc.**

Apr 2005 Pub #: 2005-0015 223 p. Price:\$ 0

Available: Electronic

(E) This volume provides lists of terminology, information sources, emission factors, equipment schedules and uncertainty data for the GHG, CAC and H2S inventory study. See also: 2005-0011, 2005-0012, 2005-0013, 2005-0014

### **CAPP 2018 Economic Report Series: Competitive Climate Policy, Supporting Investment and Innovation**

JUN2018 Pub #: 2018-9305 17p. Price:\$

Available: Electronic;Print

(E) In the third report of the 2018 Economic Report Series, CAPP explores Canada's current climate policies; explains why current policies are having serious unintended consequences; outlines our industry's commitment to innovation; and presents recommendations we believe can spur industry growth, competitiveness, innovation, and emissions reduction

### **CH4 and VOC Emissions from the Canadian Upstream Oil and Gas Industry Volume 1**

Jul 1999 Pub #: 1999-0009 127 p. Price:\$ 0

Available: Electronic

(E) This four volume report supports federal and provincial government programs to quantify and ultimately reduce atmospheric emissions in Canada. Volume 1 provides an overview of the developed emissions inventory. See also: 1999-0010, 1999-0011, 1999-0012

### **CH4 and VOC Emissions from the Canadian Upstream Oil and Gas Industry Volume 2**

Jul 1999 Pub #: 1999-0010 161 p. Price:\$ 0

Available: Electronic

(E) This four volume report supports federal and provincial government programs to quantify and ultimately reduce atmospheric emissions in Canada. Volume 2 delineates the information sources, assumptions and calculation procedures used to develop the inventory. See also: 1999-0009, 1999-0011, 1999-0012

### **CH4 and VOC Emissions from the Canadian Upstream Oil and Gas Industry Volume 3**

Jul 1999 Pub #: 1999-0011 Price:\$ 0

Available: Electronic

(E) This four volume report supports federal and provincial government programs to quantify and ultimately reduce

atmospheric emissions in Canada. Volume 3 presents an inventory of emissions from oilsands mining, extraction and upgrading operations, and from heavy oil upgrading facilities. See also: 1999-0009, 1999-0010, 1999-0012

## **CH4 and VOC Emissions from the Canadian Upstream Oil and Gas Industry Volume 4**

Jul 1999 Pub #: 1999-0012 75 p. Price:\$ 0

Available: Electronic

(E) This four volume report supports federal and provincial government programs to quantify and ultimately reduce atmospheric emissions in Canada. Volume 4 provides a critical review of the available measurement and estimation techniques for assessing emissions from the various types of fugitive sources commonly encountered in the upstream petroleum industry. See also: 1999-0009, 1999-0010, 1999-0011

## **Managing Methane Emissions for Oil and Natural Gas Development**

SEP2017 Pub #: 2017-0002 2p. Price:\$

Available: Electronic

(E) Canada's oil and natural gas industry recognizes that climate change is one of the great challenges facing the world. Methane emissions contribute to greenhouse gas emissions (GHGs). That's why reducing methane emissions from all sources is an important way to tackle the climate change challenge.

## **Série de rapports économiques 2018: Pour une politique climatique concurrentielle : Appuyer les investissements et l'innovation**

JUN2018 Pub #: 2018-9306 32p. Price:\$

Available: Electronic;Print

(E) In the third report of the 2018 Economic Report Series, CAPP explores Canada's current climate policies; explains why current policies are having serious unintended consequences; outlines our industry's commitment to innovation; and presents recommendations we believe can spur industry growth, competitiveness, innovation, and emissions reduction.

## **Update of Fugitive Equipment Leak Emission Factors**

Feb 2014 Pub #: 2014-0023 47 p. Price:\$

Available: Electronic

(E) This publication presents updated average emission factors for estimating emissions from fugitive equipment leaks at upstream oil and natural gas (UOG) facilities. The previous factors (CAPP, 2005) were developed based on measurement results collected from the mid 1990s to early 2000s. The updated factors are reflective of current conditions at UOG facilities that have implemented DI&M programs in accordance with the CAPP Best Management Practice of Fugitive Emissions at Upstream Oil and Gas Facilities and applicable regulatory requirements.

## **Communications**

### **# 7 CAPP Hydraulic Fracturing Operating Practice: Anomalous Induced Seismicity: Assessment, Monitoring, Mitigation and Response**

Nov 2012 Pub #: 2012-0024 4 p. Price:\$ 0

Available: Electronic;Print

(E) To support CAPP's Guiding Principles for Hydraulic Fracturing, Seven Operating Practices have been developed in collaboration with CAPP member companies. These Operating Practices strengthen industry's commitment to continuous improvement in shale gas and tight gas development. See also: 2012-0026; 2012-0029; 2012-0030; 2012-0030; 2012-0032; 2012-0033; 2012-0034; 2012-0035; 2012-0036

### **#1 ACPP: Pratique d'exploration relative à la fracturation hydraulique: divulgation des additifs contenus dans les fluides de fracturation**

Dec 2012 Pub #: 2012-0038 4 p. Price:\$ 0

Available: Electronic;Print

(E) To support CAPP's Guiding Principles for Hydraulic Fracturing, Seven Operating Practices have been developed in collaboration with CAPP member companies. These operating Practices strengthen industry's commitment to continuous improvement in shale gas, tight gas and tight oil development. See also: 2012-0040; 2012-0041; 2012-0043; 2012-0045; 2012-0026; 2012-0037; 2012-0039; 2012-0042

### **#1 CAPP Hydraulic Fracturing Operating Practice: Fracturing Fluid Additive Disclosure**

Dec 2012 Pub #: 2012-0031 4 Price:\$ 0

Available: Electronic;Print

(E) To support CAPP's Guiding Principles for Hydraulic Fracturing, Seven Operating Practices have been developed in collaboration with CAPP member companies. These operating Practices strengthen industry's commitment to continuous improvement in shale gas, tight gas and tight oil development. See also: 2012-0024; 2012-0029; 2012-0030; 2012-0030; 2012-0032; 2012-0033; 2012-0034; 2012-0035; 2012-0036

### **#2 ACPP: Pratique d'exploitation relative à la fracturation hydraulique: évaluation et gestion des risques associés aux additifs dans les fluides de fracturation**

Dec 2012 Pub #: 2012-0039 4 p. Price:\$ 0

Available: Electronic;Print

(E) To support CAPP's Guiding Principles for Hydraulic Fracturing, Seven Operating Practices have been developed in collaboration with CAPP member companies. These operating Practices strengthen industry's commitment to continuous improvement in shale gas, tight gas and tight oil development. See also: 2012-0038; 2012-0040; 2012-0041; 2012-0042; 2012-0043; 2012-0045; 2012-0026; 2012-0037

# CAPP Publications Catalogue

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## #2 CAPP Hydraulic Fracturing Operating Practice: Fracturing Fluid Additive Risk Assessment and Management

Dec 2012 Pub #: 2012-0032 4 Price:\$ 0

Available: Electronic;Print

(E) To support CAPP's Guiding Principles for Hydraulic Fracturing, Seven Operating Practices have been developed in collaboration with CAPP member companies. These operating Practices strengthen industry's commitment to continuous improvement in shale gas, tight gas and tight oil development. See also: 2012-0024; 2012-0029; 2012-0030; 2012-0030; 2012-0031; 2012-0033; 2012-0034; 2012-0035; 2012-0036

## #3 ACP: Pratique d'exploitation relative à la fracturation hydraulique: essais de base sur les eaux souterraines

Dec 2012 Pub #: 2012-0040 4 p. Price:\$ 0

Available: Electronic;Print

(E) To support CAPP's Guiding Principles for Hydraulic Fracturing, Seven Operating Practices have been developed in collaboration with CAPP member companies. These operating Practices strengthen industry's commitment to continuous improvement in shale gas, tight gas and tight oil development. See also: 2012-0041; 2012-0043; 2012-0045; 2012-0026; 2012-0037; 2012-0039; 2012-0042; 2012-0038

## #3 CAPP Hydraulic Fracturing Operating Practice: Baseline Groundwater Testing

Dec 2012 Pub #: 2012-0033 4 Price:\$ 0

Available: Electronic;Print

(E) To support CAPP's Guiding Principles for Hydraulic Fracturing, Seven Operating Practices have been developed in collaboration with CAPP member companies. These operating Practices strengthen industry's commitment to continuous improvement in shale gas, tight gas and tight oil development. See also: 2012-0024; 2012-0029; 2012-0030; 2012-0030; 2012-0031; 2012-0032; 2012-0034; 2012-0035; 2012-0036

## #4 ACP: Pratique d'exploitation relative à la fracturation hydraulique: construction de puits de forage et assurance de la qualité

Dec 2012 Pub #: 2012-0041 4 p. Price:\$ 0

Available: Electronic;Print

(E) To support CAPP's Guiding Principles for Hydraulic Fracturing, Seven Operating Practices have been developed in collaboration with CAPP member companies. These operating Practices strengthen industry's commitment to continuous improvement in shale gas, tight gas and tight oil development. See also: 2012-0045; 2012-0026; 2012-0037; 2012-0039; 2012-0042; 2012-0038; 2012-0040; 2012-0043

## #4 CAPP Hydraulic Fracturing Operating Practice: Wellbore Construction and Quality Assurance

Dec 2012 Pub #: 2012-0034 4 Price:\$ 0

Available: Electronic;Print

(E) To support CAPP's Guiding Principles for Hydraulic Fracturing, Seven Operating Practices have been developed in collaboration with CAPP member companies. These operating Practices strengthen industry's commitment to continuous improvement in shale gas, tight gas and tight oil development.

See also: 2012-0024; 2012-0029; 2012-0030; 2012-0031; 2012-0032; 2012-0033; 2012-0035; 2012-0036

## #5 ACP: Pratique d'exploitation relative à la fracturation hydraulique: approvisionnement en eau, mesure, et réutilisation de l'eau

Dec 2012 Pub #: 2012-0042 4 p. Price:\$ 0

Available: Electronic;Print

(E) To support CAPP's Guiding Principles for Hydraulic Fracturing, Seven Operating Practices have been developed in collaboration with CAPP member companies. These operating Practices strengthen industry's commitment to continuous improvement in shale gas, tight gas and tight oil development. See also: 2012-0038; 2012-0040; 2012-0041; 2012-0043; 2012-0045; 2012-0026; 2012-0037; 2012-0039

## #5 CAPP Hydraulic Fracturing Operating Practice: Water Sourcing, Measurement and Reuse

Dec 2012 Pub #: 2012-0035 4 Price:\$ 0

Available: Electronic;Print

(E) To support CAPP's Guiding Principles for Hydraulic Fracturing, Seven Operating Practices have been developed in collaboration with CAPP member companies. These operating Practices strengthen industry's commitment to continuous improvement in shale gas, tight gas and tight oil development.

See also: 2012-0024; 2012-0029; 2012-0030; 2012-0030; 2012-0031; 2012-0032; 2012-0033; 2012-0034; 2012-0036

## #6 ACP: Pratique d'exploitation relative à la fracturation hydraulique: transport, manipulation, stockage et élimination des fluides

Dec 2012 Pub #: 2012-0043 4 p. Price:\$ 0

Available: Electronic;Print

(E) To support CAPP's Guiding Principles for Hydraulic Fracturing, Seven Operating Practices have been developed in collaboration with CAPP member companies. These operating Practices strengthen industry's commitment to continuous improvement in shale gas, tight gas and tight oil development. See also: 2012-0041; 2012-0045; 2012-0026; 2012-0037; 2012-0039; 2012-0042; 2012-0038; 2012-0040

# CAPP Publications Catalogue

## #6 CAPP Hydraulic Fracturing Operating Practice: Fluid Transport, Handling, Storage and Disposal

Dec 2012 Pub #: 2012-0036 4 Price:\$ 0

Available: Electronic;Print

(E) To support CAPP's Guiding Principles for Hydraulic Fracturing, Seven Operating Practices have been developed in collaboration with CAPP member companies. These operating Practices strengthen industry's commitment to continuous improvement in shale gas, tight gas and tight oil development.

See also: 2012-0024; 2012-0029; 2012-0030; 2012-0030; 2012-0031; 2012-0032; 2012-0033; 2012-0034; 2012-0035

## #7 ACP: activité sismique induite anormale: évaluation, surveillance, mesures d'atténuation et capacité d'intervention

Dec 2012 Pub #: 2012-0026 4 p. Price:\$ 0

Available: Electronic;Print

(E) To support CAPP's Guiding Principles for Hydraulic Fracturing, Seven Operating Practices have been developed in collaboration with CAPP member companies. These operating Practices strengthen industry's commitment to continuous improvement in shale gas, tight gas and tight oil development. See also: 2012-0040; 2012-0041; 2012-0043; 2012-0045; 2012-0026; 2012-0037; 2012-0038; 2012-0039; 2012-0042

## 2018 CAPP Crude Oil Forecast, Markets & Transportation

JUN2018 Pub #: 2018-0006 50p. Price:\$

Available: Electronic;Print

(E) CAPP's Crude Oil Forecast, Markets and Transportation report provides the association's latest long-term outlook (2018 to 2035) for total Canadian crude oil production and western Canadian crude oil supply. It also contains key information on Canadian crude oil markets, both existing and potential, and an updated synopsis of the transportation projects that could connect this projected supply to various markets. A primary purpose of this report is to inform discussion and to support a fundamental understanding of oil industry issues. <P>Data tables for <A HREF='http://www.capp.ca/~media/capp/customer-portal/publications/320292src' target='\_blank'>Production and Supply Data</A> of the report is provided as an Excel spreadsheet.

## 2018 CAPP Crude Oil Forecast, Markets & Transportation - Production & Supply Data

JUN2018 Pub #: 2018-0006 1p. Price:\$

Available: Electronic

(E) CAPP's annual Crude Oil Forecast, Markets and Transportation report provides the association's latest long-term outlook (2017 to 2030) for total Canadian crude oil production and western Canadian crude oil supply. It also contains key information on Canadian crude oil markets, both existing and potential, and an updated synopsis of the transportation projects that could connect this projected

supply to various markets. A primary purpose of this report is to inform discussion and to support a fundamental understanding of oil industry issues. <P>Data tables for <A HREF='http://www.capp.ca/~media/capp/customer-portal/publications/320292src' target='\_blank'>Production and Supply Data</A> of the report is provided as an Excel spreadsheet.

## 2018 Economic Report Series: A Global Vision of Canadian Oil and Natural Gas

FEB2018 Pub #: 2018-9301 12p. Price:\$

Available: Electronic;Print

(E) A Global Vision for Canadian Oil and Natural Gas is the first in a series of reports to be released by CAPP. The report series will examine rising government costs, the burden of inefficient regulations, and the lack of infrastructure to move Canadian energy to growing markets, which undermines investor confidence in Canada and negatively affects the country's ability to attract the capital needed to create jobs and national prosperity. Read CAPP's vision for Canadian oil and natural gas to learn more.

## 2018 Economic Report Series: Canada's Role in the World's Future Energy Mix

APR2018 Pub #: 2018-9303 13p. Price:\$

Available: Electronic;Print

(E) The world's thirst for energy is on the rise and Canada has an opportunity to meet the growing global demand for energy in an environmentally and socially responsible manner, but only with effective regulatory policies and increased market access. Canada's Role in the World's Future Energy Mix is the second report in a series of economic reports released by CAPP, which examines the growing demand for energy in all forms and outlines a vision for Canada to become the world's energy supplier of choice.

## 2018 Economic Report Series: Toward a Shared Future: Canada's Indigenous Peoples and the Oil and Natural Gas Industry

NO 2018 Pub #: 2018-9307 17p. Price:\$

Available: Electronic;Print

(E) In this report, CAPP examines the evolving relationship between the upstream industry and Indigenous peoples, provides examples of industry initiatives that have had positive and sustainable effects on Indigenous communities, and makes recommendations for the Government of Canada to consider for moving the industry, and all of Canada, forward on the path toward reconciliation.

## A competitive policy and regulatory framework for Alberta's upstream oil and natural gas industry

JUL 2017 Pub #: 2017-0035 49p. Price:\$

Available: Electronic

(E) The report outlines how new competitiveness measures could be created to attract investment and create jobs in Alberta's oil and natural gas sector, while protecting the high

standards already in place for health, safety and environmental regulation.

## **Addressing Spill Response with Scientific Research**

MA 2018 Pub #: 2018-0013 2p. Price:\$

Available: Electronic

(E) CAPP and CEPA support science-based studies aimed at improving transportation standards in Canada. Canada's oil and natural gas industry is committed to safety and world-leading response mechanisms in all areas of operations.

## **An Introduction to Oil and Gas Leasing in British Columbia, Alberta and Saskatchewan**

Jun 2014 Pub #: 2014-0018 16 p. Price:\$

Available: Electronic;Print

(E) This brochure provides general information about the land leasing process and a list of resources for further information. This is general guide and not a legal document. See also: 2014-0017

## **Bill C-69 Impact Assessment**

OCT2018 Pub #: 2018-0043 4p. Price:\$

Available: Electronic

(E) As Canada's environmental and regulatory processes are updated, CAPP wants to ensure that federal environmental assessments and regulatory reviews foster public and investor confidence while helping to get Canada's resources to market. In its current form, Bill C-69 will diminish the global competitiveness of Canada's oil and natural gas industry.

## **British Columbia's Oil and Natural Gas Industry**

APR2018 Pub #: 2018-0016 4p. Price:\$

Available: Electronic;Print

(E) British Columbia has produced both natural gas and crude oil since 1952. Innovations have led the industry to focus on the development of unconventional natural gas regions in Northeast B.C. Development of these significant resources – more than 500 trillion cubic feet (tcf) of natural gas - provides British Columbians with a variety of economic benefits, such as jobs, and government revenues.

## **Canada's Boreal Caribou Fact Sheet**

FEB2018 Pub #: 2018-0012 2p. Price:\$

Available: Electronic

(E) Boreal caribou are one of Canada's most recognizable national symbols, but their populations are falling across Canada. Declining caribou herds are a complex issue and all stakeholders, as well as the provincial and federal governments, have a role to play in working towards collective and broad-based solutions.

## **Canada's Liquefied Natural Gas Opportunity**

Jul 2018 Pub #: 2018-0024 2 Price:\$

Available: Electronic

(E) Significant potential economic benefits from establishing a Canadian LNG industry and resulting natural gas development could be generated across Canada if natural gas projects are established in a timely manner and able to access international markets.

## **Canada's Natural Gas**

Jul 2018 Pub #: 2018-0009 29p. Price:\$

Available: Electronic;Print

(E) The Facts on: Canada's Natural Gas was designed to give readers fast, easy access to natural gas facts that allow them to participate in a balanced discussion about energy, the economy and the environment. Facts are sourced from credible third parties or are developed using CAPP data that is checked against other data sources, including government reports.

## **Canada's Offshore Oil and Natural Gas Industry in Newfoundland and Labrador**

JUN2018 Pub #: 2018-0018 2p. Price:\$

Available: Electronic

(E) Offshore operators are exploring for and developing resources safely and responsibly in Newfoundland and Labrador, benefiting all residents of the province. The oil and natural gas industry contributes to local community and provincial revenues through royalty and tax payments, which help to pay for hospitals, roads, schools and social programs.

## **Canada's Oil and Natural Gas Industry in Context**

NO 2017 Pub #: 2017-0055 2p. Price:\$

Available: Electronic

(E) All sources of energy, developed responsibly, will be needed to meeting growing global demand. Canada has an opportunity to share our steady, secure, reliable, and responsibly produced energy abroad, and drive to a lower-carbon economy at home.

## **Canada's Oil and Natural Gas Industry: Energy Tomorrow**

NO 2017 Pub #: 2017-0056 12p. Price:\$

Available: Electronic

(E) Canada is poised to be a global energy supplier of choice. That's why Canada can – and should – play a larger role in the world's energy of tomorrow. Canada can balance the world's growing energy needs with our planet's environmental imperatives.

## **Canada's Oil and Natural Gas Industry: Partners in America's Energy Future**

APR2017 Pub #: 2017-0024 2p. Price:\$

Available: Electronic

(E) Canada is currently the leading and most secure, reliable and competitive energy supplier to the United States, including crude oil and refined petroleum products, natural gas, electricity and uranium.

(E) Canada is currently the leading and most secure, reliable and competitive energy supplier to the United States, including crude oil and refined petroleum products, natural gas, electricity and uranium.

## **Canada's Oil and Natural Gas Sector: Setting the Record Straight on Subsidies**

NO 2017 Pub #: 2017-0057 2p. Price:\$

Available: Electronic

(E) In Canada, all businesses can deduct certain expenses and the oil and natural gas industry is no different. Tax measures of the oil and natural gas industry are not subsidies.

## **Canada's Oil Sands Fact Book**

Jul 2018 Pub #: 2018-0010 31p. Price:\$

Available: Electronic;Print

(E) The Facts on Oil Sands was designed to give readers fast, easy access to oil sands facts to help them participate in the discussion. Facts are sourced from credible third parties or are developed using CAPP data that is checked against other data sources, including government reports. The Facts on Oil sands is typically updated annually to include the most current data.

## **Canada's Oil Sands: Partners in America's Energy Future**

OCT2015 Pub #: 2015-0017 2 p. Price:\$

Available: Electronic;Print

(E) Energy is a major part of the relationship between Canada and the United States; as Canada is the single largest foreign supplier of energy to the United States. Even with increased domestic oil supply, the U.S. will need oil imports to meet its energy demands. It's not about how much oil the U.S. uses – it's about the source of the oil.

## **CAPP 2018 Economic Report Series: Competitive Climate Policy, Supporting Investment and Innovation**

JUN2018 Pub #: 2018-9305 17p. Price:\$

Available: Electronic;Print

(E) In the third report of the 2018 Economic Report Series, CAPP explores Canada's current climate policies; explains why current policies are having serious unintended consequences; outlines our industry's commitment to innovation; and presents recommendations we believe can spur industry growth, competitiveness, innovation, and emissions reduction

## **CAPP Hydraulic Fracturing Industry Shared Practices: Anomalous Induced Seismicity Due to Hydraulic Fracturing**

FEB2014 Pub #: 2017-0008 4p. Price:\$

Available: Electronic

(E) The Industry Shared Practices ensures that CAPP members have access to the same information so that any potential risks related to induced seismicity caused by hydraulic fracturing is managed using the best available information, technology and science.

## **Context Volume 5 Issue 2**

DEC2017 Pub #: 2017-9202 12p. Price:\$

Available: Electronic;Print

(E) Context is CAPP's quarterly member magazine with updates on CAPP activities and milestones, feature stories with authoritative insider voices on timely industry trends and topics, as well as industry-related stats, facts, analysis and educational content.

## **Developing Effective Working Relationships with Aboriginal Communities**

Jan 2006 Pub #: 2006-0001 13 p. Price:\$ 0

Available: Electronic;Print

(E) Effective working relations support a corporate competitive advantage to operators through more timely access to land and greater involvement with local labour and contractors. This guide addresses the key issues and supporting rationale for oil and gas proponents operating in areas of identified interest to aboriginal communities. Companies strive to manage many risks: economic, legal, safety, operational and those affecting corporate reputation. Understanding the interests of aboriginal communities, along with the development and implementation of corresponding strategies to address their unique concerns, is a key part of responsible risk management. The unique interests and constitutional rights of aboriginal communities support the rationale for industry to develop strong business relationships with communities, relationships based upon trust and respect to achieve common goals.

## **Dispersants: Improving Offshore Oil Spill Response**

Jul 2014 Pub #: 2014-0033 2 p. Price:\$

Available: Electronic;Print

(E) Dispersants are chemical agents specifically designed for use in marine environments, to speed up natural oil dispersion. Dispersants can be rapidly sprayed onto an oil spill by a specially equipped aircraft or vessel, or injected directly into a subsea spill. Dispersants are one of several response tools that have been proven safe and effective in managing and mitigating oil spills. This fact sheet explains how dispersants work and how and why they are used. See also: 2006-0012

## Engagement with Indigenous Communities

SEP2018 Pub #: 2018-0023 2 Price:\$

Available: Electronic

(E) Canada's oil and natural gas industry continues to build positive and mutually beneficial relationships with Indigenous communities where we work.

## Environmental Innovation

MAY2017 Pub #: 2017-0030 2p. Price:\$

Available: Electronic

(E) As Canada's oil and natural gas industry works to help meet global energy needs, at the same time we are accelerating environmental performance. Canada has abundant energy resources and oil and natural gas producers are committed to developing solutions the world needs for a cleaner energy future.

## Étude : Les retombées économiques au Québec de l'exploitation des sables bitumineux du Canada, AppEco

JUN2017 Pub #: 2017-0037 27p. Price:\$

Available: Electronic

(E) Cette étude a calculé les retombées économiques au Québec découlant des activités des producteurs pétroliers des sables bitumineux du Canada, via leurs dépenses auprès des fournisseurs québécois.

## Évaluation de l'impact du projet de loi C-69

OCT2018 Pub #: 2018-0045 4p. Price:\$

Available: Electronic

(E) As Canada's environmental and regulatory processes are updated, CAPP wants to ensure that federal environmental assessments and regulatory reviews foster public and investor confidence while helping to get Canada's resources to market. In its current form, Bill C-69 will diminish the global competitiveness of Canada's oil and natural gas industry.

## Fiche Technique Les Avantages de L'Exploitation des Sables Bitumineux Canadiens pour le Québec

MAY2017 Pub #: 2017-0013 2p. Price:\$

Available: Electronic

(E) Canada's oil and natural gas industry is a driving force in the Canadian economy. The oil sands industry provides employment opportunities, boosts government revenues and supports local businesses and communities in Québec.

## Fossil Fuel Subsidies - Fact Sheet

NO 2017 Pub #: 2017-0058 2p. Price:\$

Available: Electronic

(E) While Canada taxes the consumption of oil and natural gas, many other countries in the world offer subsidies instead. Subsidies targeted at consumption, or reducing the cost of fossil fuels to the end user, is where the majority of

global fossil fuel subsidies reside.

## Guiding Principles for Hydraulic Fracturing

Dec 2012 Pub #: 2012-0030 1 Price:\$ 0

Available: Electronic;Print

(E) Guiding Principles for Hydraulic Fracturing See also: 2012-0024; 2012-0029; 2012-0031; 2012-0032; 2012-0033; 2012-0034; 2012-0035; 2012-0036

## Hydraulic Fracturing Fact Sheet

SEP2017 Pub #: 2017-0044 2p. Price:\$

Available: Electronic

(E) Hydraulic fracturing is a government-regulated technology used safely for more than 60 years to recover oil and natural gas that is trapped in deep underground rock. Canada's oil and natural gas industry supports a responsible approach to hydraulic fracturing, water management and induced seismicity, and is committed to continuous improvement.

## Hydraulic Fracturing: How it works

AU 2018 Pub #: 2018-0019 2p. Price:\$

Available: Electronic;Print

(E) Hydraulic fracturing is a safe, proven technology that has opened up abundant sources of the cleanest-burning fossil fuel – natural gas. Through continued innovation and responsible operations, Canada is leading the way in developing this important resource responsibly in order to meet the world's growing energy demand.

## Induced Seismic Activity in Canada Fact Sheet

FEB2017 Pub #: 2017-0010 2p. Price:\$

Available: Electronic

(E) Induced seismicity refers to seismicity caused by human activity. Micro-seismicity is generally defined as seismicity of magnitude less than 3, as measured on the Richter scale. Anomalous induced seismicity refers to seismic events caused by human activity that is unusual or inconsistent with what is expected.

## Industrie Canadienne du pétrole et du gaz naturel : Mise au point à propos des <<subventions>>

JUL 2018 Pub #: 2018-0030 2p. Price:\$

Available: Electronic

(E) In Canada, all businesses can deduct certain expenses and the oil and natural gas industry is no different. Tax measures of the oil and natural gas industry are not subsidies.

## Industry Collaboration: CAPP Hydraulic Fracturing Guiding Principles and Operating Practices

Dec 2012 Pub #: 2012-0029 1 Price:\$ 0

Available: Electronic;Print

(E) Industry Collaboration See also: 2012-0024; 2012-0030; 2012-0031; 2012-0032; 2012-0033; 2012-0034; 2012-0035; 2012-0036

## Introduction au Gaz Naturel

Jun 2018 Pub #: 2018-0035 2 Price:\$

Available: Electronic

(E) Canada has enormous natural gas resources. In fact, given domestic consumption, Canada has more than enough natural gas for at least 300 years. Canada's natural gas industry is well-regulated, technically advanced, committed to improving environmental performance and is positioned to help meet growing global demand.

## Introduction to Natural Gas - Fact Sheet

JUN2018 Pub #: 2018-0017 2p. Price:\$

Available: Electronic

(E) Canada has enormous natural gas resources. In fact, given domestic consumption, Canada has more than enough natural gas for at least 300 years. Canada's natural gas industry is well-regulated, technically advanced, committed to improving environmental performance and is positioned to help meet growing global demand.

## Introduction to Oil Sands

Jul 2018 Pub #: 2013-0029 2 Price:\$

Available: Electronic

(E) Canada has the third largest oil reserves in the world with 97 per cent of these reserves located in the oil sands. All forms of energy are needed to support a growing world population and improve quality of life. As global energy demand increases, 27 per cent of this demand will be met by oil in 2040, the largest single source of energy. Canada can help meet this need with its abundant natural resources.

## La collaboration de l'industrie principes directeurs et pratiques d'exploitation relatifs à la fracturation hydraulique

Dec 2012 Pub #: 2012-0045 1 p. Price:\$ 0

Available: Electronic;Print

(E) Hydraulic Fracturing Guiding Principles and Operating Practices See also: 2012-0026; 2012-0037; 2012-0039; 2012-0042; 2012-0038; 2012-0040; 2012-0043; 2012-0041

## Les Innovations Environnementale

MAY2017 Pub #: 2017-0031 2p. Price:\$

Available: Electronic

(E) La demande mondiale en énergie est en constante augmentation et le Canada est particulièrement bien positionné pour répondre à cette demande. Tout en s'efforçant de satisfaire les besoins énergétiques de notre planète, les membres de l'industrie canadienne du pétrole et du gaz naturel s'emploient à accélérer l'amélioration de leur performance environnementale.

## Living Together - Working Together - Industry Guiding Principles

MAY2018 Pub #: 2017-0048 2p. Price:\$

Available: Electronic;Print

(E) Canada's upstream oil and natural gas industry has a strong track record as a safe and reliable producer of energy, and partner in the community. Recognizing the increasing importance to be transparent and clearly demonstrate a commitment to responsible energy development, CAPP members collaborated to create Guiding Principles that focus on conduct in the communities where our members operate.

## Managing Methane Emissions for Oil and Natural Gas Development

SEP2017 Pub #: 2017-0002 2p. Price:\$

Available: Electronic

(E) Canada's oil and natural gas industry recognizes that climate change is one of the great challenges facing the world. Methane emissions contribute to greenhouse gas emissions (GHGs). That's why reducing methane emissions from all sources is an important way to tackle the climate change challenge.

## Managing Produced Water in Atlantic Canada's Offshore Oil and Natural Gas Industry

SEP2018 Pub #: 2018-0038 2p. Price:\$

Available: Electronic

(E) Water is an integral part of oil and gas production. In the offshore, water that has been extracted from an oil and gas reservoir – or produced water – must be treated and disposed of in a manner that ensures the marine environment is protected.

## Oil and Natural Gas Priorities for a Prosperous British Columbia

JUL 2017 Pub #: 2017-0036 12p. Price:\$

Available: Electronic

(E) British Columbia has what it takes to be a global energy leader: an abundance of natural gas, a highly skilled workforce, a stringent regulatory system, and a commitment to environmental performance. Now is the time to develop our resources to their full potential through leadership and fair, balanced policies, attracting investment and delivering economic prosperity for all British Columbians.

## Oilfield Waste Profile Sheets

OCT2018 Pub #: 2018-0005 66p. Price:\$

Available: Electronic

(E) The Oilfield Waste Profile Sheets contained in this guide have been prepared to assist upstream petroleum industry operators with the classification and handling of common industry wastes.

<p>Each Waste Profile Sheet has been divided into four

sections: General Information, Hazard Information, Management Methods, and Transportation.</p></div>

<p>The waste profile sheet information is provided as general industry guidance. The waste profile sheets do not substitute for specific analysis, the approval of waste specific disposal methods and any other work required for the proper determination of health and safety protocols, transportation requirements, and suitable waste disposal methods.</p></div>

## Présentation des Sables Bitumineux

Jul 2018 Pub #: 2018-0031 2 Price:\$

Available: Electronic

(E) Canada has the third largest oil reserves in the world with 97 per cent of these reserves located in the oil sands. All forms of energy are needed to support a growing world population and improve quality of life. As global energy demand increases, 27 per cent of this demand will be met by oil in 2040, the largest single source of energy. Canada can help meet this need with its abundant natural resources.

## Principes Directeurs de l'Exploitation des Sables Bitumineux

OCT2016 Pub #: 2016-0032 1p. Price:\$

Available: Electronic

(E) L'industrie canadienne des sables bitumineux constitue une source d'énergie sûre, s'engage à améliorer sa performance environnementale et offre des avantages économiques à la société, tout en exploitant cette ressource importante pour l'ensemble de la planète. Nous y parvenons en nous améliorant continuellement, en élaborant de nouvelles technologies et en appliquant les principes directeurs.

See also: 2016-0039

## Principes directeurs relatifs à la fracturation hydraulique

Dec 2012 Pub #: 2012-0037 1 p. Price:\$ 0

Available: Electronic;Print

(E) Guiding Principles for Hydraulic Fracturing See also: 2012-0038; 2012-0039; 2012-0040; 2012-0041; 2012-0042; 2012-0043; 2012-0045; 2012-0026

## Process Safety Strategy & Data Roadmap

APR2018 Pub #: 2018-0021 14p. Price:\$

Available: Electronic

(E) CAPP's Safe Operations Strategy Enabling Zero identifies objectives and collective initiatives CAPP can do to support members' efficient operations and improvement of safety performance. The strategy is a new approach including

- a more inclusive safety scope (people, process and product stewardship),
- high-risk focus (severity/consequence),
- and analysis based upon data-driven decision making.

The first foundational years of Enabling Zero includes member-driven development of strategic guidance for

process safety management.

This document delivers CAPP's strategic guidance for Process Safety Management, and a supporting plan for the development of the required data management support necessary to support the success of the PSM strategy.

## Quebec Benefits from Canada's Oil Sands Industry Fact Sheet

MAY2017 Pub #: 2017-0012 2p. Price:\$

Available: Electronic

(E) Canada's oil and natural gas industry is a driving force in the Canadian economy. The oil sands industry provides employment opportunities, boosts government revenues and supports local businesses and communities in Quebec.

## Quelques Chiffres Avantages de la Production du Transport et de l'Utilisation du Pétrole Canadien

MAY2017 Pub #: 2017-0014 2p. Price:\$

Available: Electronic

(E) As the sixth-largest producer of oil and fifth-largest producer of natural gas, Canada's oil and natural gas industry provides economic benefits across Canada and Québec.

## Quick Facts The Benefits of Producing Moving and Using Canadian Oil

MAY2017 Pub #: 2017-0015 2p. Price:\$

Available: Electronic

(E) As the sixth-largest producer of oil, Canada's oil sand industry provides economic benefits across Canada and Quebec.

## Responsible Canadian Energy 2014 Progress Report

Dec 2014 Pub #: 2014-0036 52 p. Price:\$

Available: Electronic;Print

(E) This report articulates industry's contribution to Canada's economic prosperity as well as its performance in four areas – people, air, water and land –through key environmental and social metrics. The analysis in this report is based on 2013 data collected from CAPP's upstream oil and gas producing members with Canadian operations.

## Responsible Canadian Energy: 2014 Atlantic Canada Offshore Supplemental Report

Dec 2014 Pub #: 2014-0037 20 p. Price:\$

Available: Electronic;Print

(E) The 2014 Responsible Canadian Energy (RCE) Atlantic Canada offshore supplemental report highlights the oil and gas industry's activities in the Atlantic Canada offshore and acts as a complement to the 2014 RCE progress report. It articulates industry's contribution to Atlantic Canada's economic prosperity, and the offshore industry's performance in three areas—people, air and

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Friday, December 14, 2018

(E) An electronic version may be downloaded from CAPP's public site [www.capp.ca](http://www.capp.ca). Member companies can also access electronic versions from MemberNet, CAPP's secure, member-only website.

water—covering key environmental and social metrics. The analysis in this report is based on 2013 data collected from CAPP's upstream oil and gas producing member companies with offshore Atlantic Canada operations. Graphs in this report show performance trends for the period 2009 to 2013. Wherever possible, case studies and updated information for 2014 have also been provided.

See also: 2014-0036

## **Série de rapports économiques 2018 : L'avenir du pétrole et du gaz naturel du Canada: une perspective mondiale**

FEB2018 Pub #: 2018-9302 12p. Price:\$

Available: Electronic;Print

(E) A Global Vision for Canadian Oil and Natural Gas is the first in a series of reports to be released by CAPP. The report series will examine rising government costs, the burden of inefficient regulations, and the lack of infrastructure to move Canadian energy to growing markets, which undermines investor confidence in Canada and negatively affects the country's ability to attract the capital needed to create jobs and national prosperity. Read CAPP's vision for Canadian oil and natural gas to learn more.

## **Série de rapports économiques 2018 : Le rôle du Canada dans futur bouquet énergétique mondial**

APR2018 Pub #: 2018-9304 13p. Price:\$

Available: Electronic;Print

(E) The world's thirst for energy is on the rise and Canada has an opportunity to meet the growing global demand for energy in an environmentally and socially responsible manner, but only with effective regulatory policies and increased market access. Canada's Role in the World's Future Energy Mix is the second report in a series of economic reports released by CAPP, which examines the growing demand for energy in all forms and outlines a vision for Canada to become the world's energy supplier of choice.

## **Série de rapports économiques 2018: Pour une politique climatique concurrentielle : Appuyer les investissements et l'innovation**

JUN2018 Pub #: 2018-9306 32p. Price:\$

Available: Electronic;Print

(E) In the third report of the 2018 Economic Report Series, CAPP explores Canada's current climate policies; explains why current policies are having serious unintended consequences; outlines our industry's commitment to innovation; and presents recommendations we believe can spur industry growth, competitiveness, innovation, and emissions reduction.

## **Subventions aux combustibles fossiles**

JUL 2018 Pub #: 2018-0025 2p. Price:\$

Available: Electronic

(E) While Canada taxes the consumption of oil and natural gas, many other countries in the world offer subsidies instead. Subsidies targeted at consumption, or reducing the cost of fossil fuels to the end user, is where the majority of global fossil fuel subsidies reside.

## **Tight Oil: An Emerging Resource Fact Sheet**

SEP2016 Pub #: 2016-0034 2p. Price:\$

Available: Electronic

(E) Tight oil is crude oil found deep below the earth's surface, primarily within low permeability sandstone and limestone reservoirs. The oil contained within these reservoir rocks will not typically flow to the wellbore without help from technologically advanced drilling and completion processes.

## **Understanding Liability for Oil and Natural Gas Assets in Alberta**

MAY2017 Pub #: 2017-0029 2p. Price:\$

Available: Electronic

(E) Every company that explores for and develops Canada's oil and natural gas resources is financially responsible for safely managing each well it drills, as well as any associated facilities. This includes all stages of a well's life cycle: exploration, development and operation, as well as end-of-life activities including abandonment and reclamation.

## **Upstream Pipelines in Alberta**

AU 2017 Pub #: 2017-0042 2p. Price:\$

Available: Electronic

(E) Pipelines are a critical part of Alberta's petroleum infrastructure. Often called an energy superhighway, they are a reliable and safe way to transport liquids, such as oil and water, and natural gas.

## **Water Use for Hydraulic Fracturing in Alberta**

Jul 2018 Pub #: 2018-0033 2 Price:\$

Available: Electronic

(E) Hydraulic fracturing is a government-regulated technology used safely for more than 60 years to recover shale or tight natural gas that is trapped in deep underground rock. In Alberta, the Alberta Energy Regulator (AER) regulates the use of water for tight oil and natural gas development. Industry is focusing on increasing use of alternatives and reducing the amount of surface water and fresh groundwater used in hydraulic fracturing.

## **Water Use for Hydraulic Fracturing in British Columbia**

Jul 2018 Pub #: 2018-0032 2 Price:\$

Available: Electronic

(E) Hydraulic fracturing is a government-regulated technology used safely for more than 60 years to recover shale or tight natural gas that is trapped in deep underground rock. In British Columbia, water used for natural gas development is regulated by the BC Oil & Gas Commission (BCOGC). Industry is focusing on increasing use of alternatives and reducing the amount of surface water and fresh groundwater used in hydraulic fracturing.

## **What to Expect When You're Expecting a Well**

Jun 2014 Pub #: 2014-0017 18 p. Price:\$

Available: Electronic;Print

(E) This brochure provides general information and an overview of the lifecycle of a typical well, which might be in production for 10 to 40 years. It illustrates activity levels at various stages and demonstrates most activity occurs in the very early stages of development. See also: 2014-0018

## **Crude Oil & Oil Sands**

### **2018 CAPP Crude Oil Forecast, Markets & Transportation**

JUN2018 Pub #: 2018-0006 50p. Price:\$

Available: Electronic;Print

(E) CAPP's Crude Oil Forecast, Markets and Transportation report provides the association's latest long-term outlook (2018 to 2035) for total Canadian crude oil production and western Canadian crude oil supply. It also contains key information on Canadian crude oil markets, both existing and potential, and an updated synopsis of the transportation projects that could connect this projected supply to various markets. A primary purpose of this report is to inform discussion and to support a fundamental understanding of oil industry issues. <P>Data tables for <A HREF='http://www.capp.ca/~media/capp/customer-portal/publications/320292src' target='\_blank'>Production and Supply Data</A> of the report is provided as an Excel spreadsheet.

### **2018 CAPP Crude Oil Forecast, Markets & Transportation - Production & Supply Data**

JUN2018 Pub #: 2018-0006 1p. Price:\$

Available: Electronic

(E) CAPP's annual Crude Oil Forecast, Markets and Transportation report provides the association's latest long-term outlook (2017 to 2030) for total Canadian crude oil production and western Canadian crude oil supply. It also contains key information on Canadian crude oil markets, both existing and potential, and an updated synopsis of the transportation projects that could connect this projected supply to various markets. A primary purpose of this report is to inform discussion and to support a fundamental understanding of oil industry issues. <P>Data tables for <A HREF='http://www.capp.ca/~media/capp/customer-portal/publications/320292src' target='\_blank'>Production and Supply Data</A> of the report is provided as an Excel spreadsheet.

### **2018 Economic Report Series: A Global Vision of Canadian Oil and Natural Gas**

FEB2018 Pub #: 2018-9301 12p. Price:\$

Available: Electronic;Print

(E) A Global Vision for Canadian Oil and Natural Gas is the first in a series of reports to be released by CAPP. The report series will examine rising government costs, the burden of inefficient regulations, and the lack of infrastructure to move Canadian energy to growing markets, which undermines investor confidence in Canada and negatively affects the country's ability to attract the capital needed to create jobs and national prosperity. Read CAPP's vision for Canadian oil and natural gas to learn more.

### **Addressing Spill Response with Scientific Research**

MA 2018 Pub #: 2018-0013 2p. Price:\$

Available: Electronic

(E) CAPP and CEPA support science-based studies aimed at improving transportation standards in Canada. Canada's oil and natural gas industry is committed to safety and world-leading response mechanisms in all areas of operations.

## **British Columbia's Oil and Natural Gas Industry**

APR2018 Pub #: 2018-0016 4p. Price:\$

Available: Electronic;Print

(E) British Columbia has produced both natural gas and crude oil since 1952. Innovations have led the industry to focus on the development of unconventional natural gas regions in Northeast B.C. Development of these significant resources – more than 500 trillion cubic feet (tcf) of natural gas - provides British Columbians with a variety of economic benefits, such as jobs, and government revenues.

## **Canada's Offshore Oil and Natural Gas Industry in Nova Scotia**

Jul 2018 Pub #: 2018-0034 2 Price:\$

Available: Electronic

(E) Offshore operators have been exploring for and developing resources safely and responsibly in offshore Nova Scotia for decades, benefiting all residents of the province. Canada's oil and natural gas industry contributes to local community and provincial revenues through royalty and tax payments, which help to pay for hospitals, roads, schools and social programs.

## **Canada's Boreal Caribou Fact Sheet**

FEB2018 Pub #: 2018-0012 2p. Price:\$

Available: Electronic

(E) Boreal caribou are one of Canada's most recognizable national symbols, but their populations are falling across Canada. Declining caribou herds are a complex issue and all stakeholders, as well as the provincial and federal governments, have a role to play in working towards collective and broad-based solutions.

## **Canada's Oil and Natural Gas Industry: Energy Tomorrow**

NO 2017 Pub #: 2017-0056 12p. Price:\$

Available: Electronic

(E) Canada is poised to be a global energy supplier of choice. That's why Canada can – and should – play a larger role in the world's energy of tomorrow. Canada can balance the world's growing energy needs with our planet's environmental imperatives.

## **Canada's Oil and Natural Gas Industry: Partners in America's Energy Future**

NO 2017 Pub #: 2017-0018 2p. Price:\$

Available: Electronic

(E) Canada is currently the leading and most secure, reliable and competitive energy supplier to the United States, including crude oil and refined petroleum products, natural gas, electricity and uranium.

## **Canada's Oil Sands Fact Book**

Jul 2018 Pub #: 2018-0010 31p. Price:\$

Available: Electronic;Print

(E) The Facts on Oil Sands was designed to give readers fast, easy access to oil sands facts to help them participate in the discussion. Facts are sourced from credible third parties or are developed using CAPP data that is checked against other data sources, including government reports. The Facts on Oil sands is typically updated annually to include the most current data.

## **Canada's Oil Sands: Partners in America's Energy Future**

OCT2015 Pub #: 2015-0017 2 p. Price:\$

Available: Electronic;Print

(E) Energy is a major part of the relationship between Canada and the United States; as Canada is the single largest foreign supplier of energy to the United States. Even with increased domestic oil supply, the U.S. will need oil imports to meet its energy demands. It's not about how much oil the U.S. uses – it's about the source of the oil.

## **Engagement with Indigenous Communities**

SEP2018 Pub #: 2018-0023 2 Price:\$

Available: Electronic

(E) Canada's oil and natural gas industry continues to build positive and mutually beneficial relationships with Indigenous communities where we work.

## **Étude : Les retombées économiques au Québec de l'exploitation des sables bitumineux du Canada, AppEco**

JUN2017 Pub #: 2017-0037 27p. Price:\$

Available: Electronic

(E) Cette étude a calculé les retombées économiques au Québec découlant des activités des producteurs pétroliers des sables bitumineux du Canada, via leurs dépenses auprès des fournisseurs québécois.

## **Fiche Technique Les Avantages de L'Exploitation des Sables Bitumineux Canadiens pour le Québec**

MAY2017 Pub #: 2017-0013 2p. Price:\$

Available: Electronic

(E) Canada's oil and natural gas industry is a driving force in the Canadian economy. The oil sands industry provides employment opportunities, boosts government revenues and supports local businesses and communities in Québec.

## **Guiding Principles for Oil Sands Development Fact Sheet**

Jan 2017 Pub #: 2016-0039 1 p. Price:\$

Available: Electronic

(E) Canada's oil sands industry provides a secure source of energy, is committed to improving environmental performance and provides economic benefits to society while developing this globally significant resource. We achieve this

through continuous improvement, by developing new technologies and by committing to our guiding principles. See also: 2016-0032

## Hydraulic Fracturing Fact Sheet

SEP2017 Pub #: 2017-0044 2p. Price:\$

Available: Electronic

(E) Hydraulic fracturing is a government-regulated technology used safely for more than 60 years to recover oil and natural gas that is trapped in deep underground rock. Canada's oil and natural gas industry supports a responsible approach to hydraulic fracturing, water management and induced seismicity, and is committed to continuous improvement.

## International Review - Environmental Assessment Process: A Summary Based on the Review by Worley Parsons Canada

MA 2017 Pub #: 2017-0025 3p. Price:\$

Available: Electronic

(E) Worley Parsons Canada was commissioned to conduct a study comparing Canada's environmental assessment (EA) process with four countries: Australia, the United Kingdom, Norway and the United States. In addition, the review included the World Bank and International Finance Corporation practices and procedures.

The review's purpose was to investigate and summarize government regulatory practices and advancements in the selected jurisdictions, and to identify lessons learned, best practices, and opportunities to improve Canada's federal EA process.

See also: 2017-0026

## Introduction to Oil Sands

Jul 2018 Pub #: 2013-0029 2 Price:\$

Available: Electronic

(E) Canada has the third largest oil reserves in the world with 97 per cent of these reserves located in the oil sands. All forms of energy are needed to support a growing world population and improve quality of life. As global energy demand increases, 27 per cent of this demand will be met by oil in 2040, the largest single source of energy. Canada can help meet this need with its abundant natural resources.

## Oilfield Waste Profile Sheets

OCT2018 Pub #: 2018-0005 66p. Price:\$

Available: Electronic

(E) The Oilfield Waste Profile Sheets contained in this guide have been prepared to assist upstream petroleum industry operators with the classification and handling of common industry wastes.

Each Waste Profile Sheet has been divided into four sections: General Information, Hazard Information, Management Methods, and Transportation.

The waste profile sheet information is provided as

general industry guidance. The waste profile sheets do not substitute for specific analysis, the approval of waste specific disposal methods and any other work required for the proper determination of health and safety protocols, transportation requirements, and suitable waste disposal methods.

## Présentation des Sables Bitumineux

Jul 2018 Pub #: 2018-0031 2 Price:\$

Available: Electronic

(E) Canada has the third largest oil reserves in the world with 97 per cent of these reserves located in the oil sands. All forms of energy are needed to support a growing world population and improve quality of life. As global energy demand increases, 27 per cent of this demand will be met by oil in 2040, the largest single source of energy. Canada can help meet this need with its abundant natural resources.

## Principes Directeurs de l'Exploitation des Sables Bitumineux

OCT2016 Pub #: 2016-0032 1p. Price:\$

Available: Electronic

(E) L'industrie canadienne des sables bitumineux constitue une source d'énergie sûre, s'engage à améliorer sa performance environnementale et offre des avantages économiques à la société, tout en exploitant cette ressource importante pour l'ensemble de la planète. Nous y parvenons en nous améliorant continuellement, en élaborant de nouvelles technologies et en appliquant les principes directeurs.

See also: 2016-0039

## Quebec Benefits from Canada's Oil Sands Industry Fact Sheet

MAY2017 Pub #: 2017-0012 2p. Price:\$

Available: Electronic

(E) Canada's oil and natural gas industry is a driving force in the Canadian economy. The oil sands industry provides employment opportunities, boosts government revenues and supports local businesses and communities in Quebec.

## Quelques Chiffres Avantages de la Production du Transport et de l'Utilisation du Pétrole Canadien

MAY2017 Pub #: 2017-0014 2p. Price:\$

Available: Electronic

(E) As the sixth-largest producer of oil and fifth-largest producer of natural gas, Canada's oil and natural gas industry provides economic benefits across Canada and Québec.

## Quick Facts The Benefits of Producing Moving and Using Canadian Oil

MAY2017 Pub #: 2017-0015 2p. Price:\$

Available: Electronic

(E) As the sixth-largest producer of oil, Canada's oil sand industry provides economic benefits across Canada and Quebec.

## **Série de rapports économiques 2018 : Le rôle du Canada dans futur bouquet énergétique mondial**

APR2018 Pub #: 2018-9304 13p. Price:\$

Available: Electronic;Print

(E) The world's thirst for energy is on the rise and Canada has an opportunity to meet the growing global demand for energy in an environmentally and socially responsible manner, but only with effective regulatory policies and increased market access. Canada's Role in the World's Future Energy Mix is the second report in a series of economic reports released by CAPP, which examines the growing demand for energy in all forms and outlines a vision for Canada to become the world's energy supplier of choice.

## **Tight Oil: An Emerging Resource Fact Sheet**

SEP2016 Pub #: 2016-0034 2p. Price:\$

Available: Electronic

(E) Tight oil is crude oil found deep below the earth's surface, primarily within low permeability sandstone and limestone reservoirs. The oil contained within these reservoir rocks will not typically flow to the wellbore without help from technologically advanced drilling and completion processes.

## **Update: A Competitive Policy and Regulatory Framework for Alberta's Upstream Oil and Natural Gas Industry**

SEP2018 Pub #: 2018-0041 70p. Price:\$

Available: Electronic

(E) In 2017, the Canadian Association of Petroleum Producers (CAPP) identified the challenges facing Alberta's upstream oil and natural gas sector in its report, A Competitive Policy and Regulatory Framework for Alberta's Upstream Oil and Natural Gas Industry. CAPP proposed solutions to working collaboratively with the Government of Alberta (GoA) to improve the investment climate.

<p>Now, one year later, CAPP is providing an update on the status of Alberta's investment climate and its competitiveness - identifying areas of improvement, as well as opportunities for further prioritization with government.</p>

## **Water Conservation, Efficiency and Productivity (CEP) Plan Progress Report – Upstream Oil and Gas Sector (January 2016)**

JAN2016 Pub #: 2016-0037 32p. Price:\$

Available: Electronic

(E) This progress report describes and evaluates the upstream oil and gas sector's success in meeting the objectives and targets described in its Water Conservation, Efficiency and Productivity (CEP) Plan (2011). The sector's CEP performance measure was non-saline water use productivity; i.e., the volume of non-saline water used to produce each unit of oil or bitumen.

Water use statistics are provided to describe the improvements in non-saline water use productivity made by the following industry sub-sectors: oil sands mining, oil sands in situ, conventional oil, well drilling and gas plants. Statistics are not yet available for shale gas, tight gas and tight oil water use. In each of the sub-sectors, water productivity surpassed the Water for Life strategy's provincial target of a 30% improvement from 2005 levels by 2015.

## **Emergency Response**

### **Best Management Practice for Wildfire Prevention**

Jan 2008 Pub #: 2007-0022 75 p. Price:\$ 0

Available: Electronic

(E) These Best Management Practices are to be used collectively by the upstream oil and gas industry to assist them in the prevention of industry caused wildfires, and to mitigate the impact of catastrophic fires on industry infrastructure, operations, liability, personnel safety and the environment. <P>See also the <A HREF="http://esrd.alberta.ca/wildfire/fire-smart/documents/FireSmart-Guidebook-OilAndGasIndustry-2008.pdf" target="\_blank">FireSmart Guidebook for the Oil and Gas Industry</A> co-sponsored by the Alberta Department of Sustainable Resource Development and CAPP. This Guidebook addresses both the threat of wildfire to oil and gas industry values as well as the potential liability of the oil and gas industry. It is intended as a guide for industry planning engineers and safety program managers throughout the province.

### **Companion Planning Guide to ERCB Directive 071**

Aug 2008 Pub #: 2008-0001 95 p. Price:\$ 0

Available: Electronic

(E) The Alberta Energy Resource Conservation Board requires that all licensees meet the requirements in Directive 71 - Emergency Preparedness and Response Requirements for the Petroleum Industry. This is a guide to assist CAPP members in interpreting and complying with the ERCB Directive 71, and to provide answers to commonly asked questions regarding implementation of the Directive.

### **Dispersants: Improving Offshore Oil Spill Response**

Jul 2014 Pub #: 2014-0033 2 p. Price:\$

Available: Electronic;Print

(E) Dispersants are chemical agents specifically designed for use in marine environments, to speed up natural oil dispersion. Dispersants can be rapidly sprayed onto an oil spill by a specially equipped aircraft or vessel, or injected directly into a subsea spill. Dispersants are one of several response tools that have been proven safe and effective in managing and mitigating oil spills. This fact sheet explains how dispersants work and how and why they are used. See also: 2006-0012

### **Emergency Air Monitoring Best Management Practices, March 2014**

Mar 2014 Pub #: 2014-0016 40p. Price:\$

Available: Electronic

(E) The best management practices guide for emergency air monitoring has been developed to provide information and guidance to oil and gas personnel when using air monitoring equipment during an emergency situation. This guide covers general considerations of emergency air monitoring such as

the need for a communications process, the different types of air monitoring equipment, and the methodologies for their use. Specific substances are referenced including hydrogen sulphide, sulphur dioxide, carbon dioxide, and monitoring for flammable mixtures.

### **Emergency Preparedness Guide for Hazards Associated with Wildfires**

Apr 2015 Pub #: 2015-0003 34 p. Price:\$

Available: Electronic

(E) This guide is designed to provide a broad introduction to the dangers posed by wildfires and smoke. An active wildfire front is often seen as the main risk to health and safety from a wildfire. Yet the smoke from a wildfire also poses a serious health and safety risk, and can lead to widespread evacuations and harm. During past wildfire incidents, heavy smoke from wildfires has forced the evacuation of nonessential employees and contractors. The guide is designed to give field personnel basic information to prepare for, recognize, assess and respond appropriately to the threat from wildfires and smoke.

### **Flammable Environments Guideline**

Dec 2014 Pub #: 2014-0004 19 p. Price:\$

Available: Electronic

(E) This document is a guide for CAPP members who are planning and supervising work where there is a need to minimize the hazards of a flammable environment. The content of this guide:  
Identifies regulatory requirements applicable in a flammable environment  
Describes a process flowchart for determining action in a (possible) flammable work area.  
Raises awareness of associated hazards, which may minimize possible flammable exposure risks to workers and processes.  
Outlines a risk-based approach to ensure that all CAPP member worksites that have a potential of generating a flammable environment are identified and appropriate controls are implemented.  
Provides on-site work sheet tool (Appendix A) that can be copied and used as documentation forms to assess a worksite task for potential flammable exposure and identify appropriate controls.

### **Guide for the Selection and Use of Flame Resistant Workwear**

Dec 2014 Pub #: 2014-0005 21 p. Price:\$

Available: Electronic

(E) This document is intended to provide guidance for the selection, use and care of flame resistant workwear (FRW) for protection against exposure of individuals to a hydrocarbon flash fire. Each organization must make its own decisions about the degree of protection they require and type of FRW that meets their needs. The guidance provided in this document will help CAPP member companies and other users to make these decisions. The actual period for

which protective workwear can offer protection against the flame, varies with the intensity of the flash fire, the fit of the garment and the capabilities of the wearer. For a particular garment this period of protection may vary considerably from one wearer to another. For purposes of this guide, the recommendations included within are for worker protection against a hydrocarbon flash fire of duration of three seconds or less. It is important for users of FRW to acquire a basic knowledge of flash fire hazards and the clothing offering levels

## **H2S Release Rate Assessment and Audit Forms July 2012**

Jul 2012 Pub #: 2012-0008 51 p. Price:\$

Available: Electronic

(E) Before an application to drill a well can be submitted, regulators in Western Canada have mandated the preparation of an H2S release rate. H2S release rates are prepared for drilling, completion and producing operations to determine the following: the emergency planning zone (EPZ) for each operation type, the classification of the well (i.e. critical [special] or non-critical [non-special]), the facility level designation for land-use setback requirements. This guideline provides a methodology and standard for industry to calculate the potential H2S release rate of a well. [Form templates](http://www.capp.ca/library/publications/crudeOilAndOilSands/pages/pubInfo.aspx?DocId=211232&DT=NTV) are provided that facilitate the capture of appropriate data for assessment, and are helpful for the audit process.

## **Spill Prevention and Response in Atlantic Canada**

Jun 2006 Pub #: 2006-0012 4 p. Price:\$ 0

Available: Electronic;Print

(E) This brochure describes how Atlantic Canadian offshore companies strive to prevent spills from oil and gas operations in the first place and how they would respond if a spill occurred.

## **Environment & Innovation**

### **A National Inventory of Greenhouse Gas (GHG), Criteria Air Contaminant (CAC) and Hydrogen Sulphide (H2S) Emissions by the Upstream Oil and Gas Industry, Volume 1, Overview of the GHG Emissions Inventory**

Apr 2005 Pub #: 2005-0011 246 p. Price:\$ 0

Available: Electronic

(E) This report describes the calculation of greenhouse gas emissions and emission intensity in the upstream oil and gas industry by sub-sector, excluding oil sands mining and upgrading, and natural gas transmission. The study is based on a detailed analysis of emissions by facility for the year 2000. Data are provided by province for the years 1990 to 2000. See also: 2005-0012, 2005-0013, 2005-0014, 2005-0015

### **A National Inventory of Greenhouse Gas (GHG), Criteria Air Contaminant (CAC) and Hydrogen Sulphide (H2S) Emissions by the Upstream Oil and Gas Industry, Volume 2, Overview of the CAC Inventory**

Apr 2005 Pub #: 2005-0012 84 p. Price:\$ 0

Available: Electronic

(E) A detailed inventory of greenhouse gas (GHG)<sup>1</sup>, criteria air contaminant<sup>2</sup> (CAC) and hydrogen sulphide (H2S) emissions is presented for the Canadian upstream oil and gas (UOG) industry for the period of 1990 to 2000. The results are summarized at the national and provincial level for the years 1990 to 2000, and at the facility level for the year 2000. Additionally, emission and energy intensity data are presented by type of facility for the year 2000 where data were available to do so. guidance for GHGs. IPCC methodology and provincial definitions. See also: 2005-0011, 2005-0013, 2005-0014, 2005-0015

### **A National Inventory of Greenhouse Gas (GHG), Criteria Air Contaminant (CAC) and Hydrogen Sulphide (H2S) Emissions by the Upstream Oil and Gas Industry, Volume 3 Methodology for Greenhouse Gases**

Apr 2005 Pub #: 2005-0013 120 p. Price:\$ 0

Available: Electronic

(E) This volume describes the methodology which has been used to develop the present GHG emissions inventory for the subject portions of the oil and gas industry for the year 2000. See also: 2005-0011, 2005-0012, 2005-0014, 2005-0015

### **A National Inventory of Greenhouse Gas (GHG), Criteria Air Contaminant (CAC) and Hydrogen Sulphide (H2S) Emissions by the Upstream Oil and Gas Industry, Volume 4 Methodology for CAC and H2S Emissions**

Apr 2005 Pub #: 2005-0014 121 p. Price:\$ 0

Available: Electronic

(E) This volume describes the methodology which has been used to develop the present CAC and H2S emissions

inventory for the subject portions of the oil and gas industry for the year 2000. See also: 2005-0011, 2005-0012, 2005-0013, 2005-0015

**A National Inventory of Greenhouse Gas (GHG), Criteria Air Contaminant (CAC) and Hydrogen Sulphide (H2S) Emissions by the Upstream Oil and Gas Industry, Volume 5, Compendium of Terminology, Information Sources, etc.**

Apr 2005 Pub #: 2005-0015 223 p. Price:\$ 0

Available: Electronic

(E) This volume provides lists of terminology, information sources, emission factors, equipment schedules and uncertainty data for the GHG, CAC and H2S inventory study. See also: 2005-0011, 2005-0012, 2005-0013, 2005-0014

**Canada's Oil Sands Fact Book**

Jul 2018 Pub #: 2018-0010 31p. Price:\$

Available: Electronic;Print

(E) The Facts on Oil Sands was designed to give readers fast, easy access to oil sands facts to help them participate in the discussion. Facts are sourced from credible third parties or are developed using CAPP data that is checked against other data sources, including government reports. The Facts on Oil sands is typically updated annually to include the most current data.

**CAPP Best Management Practices for the Control of Benzene Emissions from Glycol Dehydrators Archive Memo, March 2016**

Mar 2016 Pub #: 2006-0011 1 p. Price:\$

Available: Electronic

(E)

**CH4 and VOC Emissions from the Canadian Upstream Oil and Gas Industry Volume 1**

Jul 1999 Pub #: 1999-0009 127 p. Price:\$ 0

Available: Electronic

(E) This four volume report supports federal and provincial government programs to quantify and ultimately reduce atmospheric emissions in Canada. Volume 1 provides an overview of the developed emissions inventory. See also: 1999-0010, 1999-0011, 1999-0012

**CH4 and VOC Emissions from the Canadian Upstream Oil and Gas Industry Volume 2**

Jul 1999 Pub #: 1999-0010 161 p. Price:\$ 0

Available: Electronic

(E) This four volume report supports federal and provincial government programs to quantify and ultimately reduce atmospheric emissions in Canada. Volume 2 delineates the information sources, assumptions and calculation procedures used to develop the inventory. See also: 1999-0009, 1999-0011, 1999-0012

**CH4 and VOC Emissions from the Canadian Upstream Oil and Gas Industry Volume 3**

Jul 1999 Pub #: 1999-0011 Price:\$ 0

Available: Electronic

(E) This four volume report supports federal and provincial government programs to quantify and ultimately reduce atmospheric emissions in Canada. Volume 3 presents an inventory of emissions from oilsands mining, extraction and upgrading operations, and from heavy oil upgrading facilities. See also: 1999-0009, 1999-0010, 1999-0012

**CH4 and VOC Emissions from the Canadian Upstream Oil and Gas Industry Volume 4**

Jul 1999 Pub #: 1999-0012 75 p. Price:\$ 0

Available: Electronic

(E) This four volume report supports federal and provincial government programs to quantify and ultimately reduce atmospheric emissions in Canada. Volume 4 provides a critical review of the available measurement and estimation techniques for assessing emissions from the various types of fugitive sources commonly encountered in the upstream petroleum industry. See also: 1999-0009, 1999-0010, 1999-0011

**Dehydrator Benzene Inventory List (Form)**

Jun 2006 Pub #: 2006-0011 2 p. Price:\$ 0

Available: Electronic

(E) The Canadian upstream oil and gas industry is committed to minimizing health risks related to benzene emissions from glycol dehydrator operations through a continued reduction program. To further encourage emissions reductions, the Alberta Energy and Utilities Board and Alberta Environment have jointly issued <A HREF="http://www.eub.ca/docs/documents/directives/Directive039.pdf" target="\_blank">Directive 039</A> effective July 1, 2006. Licensees must comply with the new requirements by July 1, 2007. The <A HREF="http://www.capp.ca/~media/capp/customer-portal/publications/105760" target="\_blank">CAPP BMP</A> provides the tools necessary to be in compliance with the new requirements.

**Environmental Innovation**

MAY2017 Pub #: 2017-0030 2p. Price:\$

Available: Electronic

(E) As Canada's oil and natural gas industry works to help meet global energy needs, at the same time we are accelerating environmental performance. Canada has abundant energy resources and oil and natural gas producers are committed to developing solutions the world needs for a cleaner energy future.

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## **International Review - Environmental Assessment Process: A Summary Based on the Review by Worley Parsons Canada**

MA 2017 Pub #: 2017-0025 3p. Price:\$

Available: Electronic

(E) Worley Parsons Canada was commissioned to conduct a study comparing Canada's environmental assessment (EA) process with four countries: Australia, the United Kingdom, Norway and the United States. In addition, the review included the World Bank and International Finance Corporation practices and procedures.

The review's purpose was to investigate and summarize government regulatory practices and advancements in the selected jurisdictions, and to identify lessons learned, best practices, and opportunities to improve Canada's federal EA process.

See also: 2017-0026

## **Les Innovations Environnementale**

MAY2017 Pub #: 2017-0031 2p. Price:\$

Available: Electronic

(E) La demande mondiale en énergie est en constante augmentation et le Canada est particulièrement bien positionné pour répondre à cette demande. Tout en s'efforçant de satisfaire les besoins énergétiques de notre planète, les membres de l'industrie canadienne du pétrole et du gaz naturel s'emploient à accélérer l'amélioration de leur performance environnementale.

## **Série de rapports économiques 2018 : L'avenir du pétrole et du gaz naturel du Canada: une perspective mondiale**

FEB2018 Pub #: 2018-9302 12p. Price:\$

Available: Electronic;Print

(E) A Global Vision for Canadian Oil and Natural Gas is the first in a series of reports to be released by CAPP. The report series will examine rising government costs, the burden of inefficient regulations, and the lack of infrastructure to move Canadian energy to growing markets, which undermines investor confidence in Canada and negatively affects the country's ability to attract the capital needed to create jobs and national prosperity. Read CAPP's vision for Canadian oil and natural gas to learn more.

## **Série de rapports économiques 2018: Pour une politique climatique concurrentielle : Appuyer les investissements et l'innovation**

JUN2018 Pub #: 2018-9306 32p. Price:\$

Available: Electronic;Print

(E) In the third report of the 2018 Economic Report Series, CAPP explores Canada's current climate policies; explains why current policies are having serious unintended consequences; outlines our industry's commitment to innovation; and presents recommendations we believe can spur industry growth, competitiveness, innovation, and

emissions reduction.

## **Water Conservation, Efficiency and Productivity (CEP) Plan Progress Report – Upstream Oil and Gas Sector (January 2016)**

JAN2016 Pub #: 2016-0037 32p. Price:\$

Available: Electronic

(E) This progress report describes and evaluates the upstream oil and gas sector's success in meeting the objectives and targets described in its Water Conservation, Efficiency and Productivity (CEP) Plan (2011). The sector's CEP performance measure was non-saline water use productivity; i.e., the volume of non-saline water used to produce each unit of oil or bitumen.

Water use statistics are provided to describe the improvements in non-saline water use productivity made by the following industry sub-sectors: oil sands mining, oil sands in situ, conventional oil, well drilling and gas plants. Statistics are not yet available for shale gas, tight gas and tight oil water use. In each of the sub-sectors, water productivity surpassed the Water for Life strategy's provincial target of a 30% improvement from 2005 levels by 2015.

## **Fiscal & Statistical**

### **2018 Economic Report Series: Canada's Role in the World's Future Energy Mix**

APR2018 Pub #: 2018-9303 13p. Price:\$

Available: Electronic;Print

(E) The world's thirst for energy is on the rise and Canada has an opportunity to meet the growing global demand for energy in an environmentally and socially responsible manner, but only with effective regulatory policies and increased market access. Canada's Role in the World's Future Energy Mix is the second report in a series of economic reports released by CAPP, which examines the growing demand for energy in all forms and outlines a vision for Canada to become the world's energy supplier of choice.

### **A competitive policy and regulatory framework for Alberta's upstream oil and natural gas industry**

JUL 2017 Pub #: 2017-0035 49p. Price:\$

Available: Electronic

(E) The report outlines how new competitiveness measures could be created to attract investment and create jobs in Alberta's oil and natural gas sector, while protecting the high standards already in place for health, safety and environmental regulation.

### **Canadas Oil and Natural Gas Industry in Context**

NO 2017 Pub #: 2017-0055 2p. Price:\$

Available: Electronic

(E) All sources of energy, developed responsibly, will be needed to meeting growing global demand. Canada has an opportunity to share our steady, secure, reliable, and responsibly produced energy abroad, and drive to a lower-carbon economy at home.

### **Canada's Oil and Natural Gas Industry: Partners in America's Energy Future**

APR2017 Pub #: 2017-0024 2p. Price:\$

Available: Electronic

(E) Canada is currently the leading and most secure, reliable and competitive energy supplier to the United States, including crude oil and refined petroleum products, natural gas, electricity and uranium.

### **Canada's Oil and Natural Gas Sector: Setting the Record Straight on Subsidies**

NO 2017 Pub #: 2017-0057 2p. Price:\$

Available: Electronic

(E) In Canada, all businesses can deduct certain expenses and the oil and natural gas industry is no different. Tax measures of the oil and natural gas industry are not subsidies.

### **CAPP Statistical Handbook (2017 Data)**

Feb 2018 Pub #: 2018-9999 197 p. Price:\$

Available: Electronic

(E) The CAPP Statistical Handbook is a historical summary of the petroleum industry's progress, summarizing detailed statistical information concisely in one publication. The handbook features drilling, reserves, production and other current and historical data. Additional data is developed annually to retain the value of the handbook as an up-to-date reference source. <P>The Statistical Handbook is available online giving users access to real-time data. Users may download Excel spreadsheets with data by subject, such as prices or reserves, or create customized spreadsheets. <P>The hard copy of the Statistical Handbook is updated once a year and can be downloaded below. For more information about the contents of the handbook, email <a href="mailto:statshandbook@capp.ca">statshandbook@capp.ca</a>.

### **Fossil Fuel Subsidies - Fact Sheet**

NO 2017 Pub #: 2017-0058 2p. Price:\$

Available: Electronic

(E) While Canada taxes the consumption of oil and natural gas, many other countries in the world offer subsidies instead. Subsidies targeted at consumption, or reducing the cost of fossil fuels to the end user, is where the majority of global fossil fuel subsidies reside.

### **Quebec Benefits from Canada's Oil Sands Industry Fact Sheet**

MAY2017 Pub #: 2017-0012 2p. Price:\$

Available: Electronic

(E) Canada's oil and natural gas industry is a driving force in the Canadian economy. The oil sands industry provides employment opportunities, boosts government revenues and supports local businesses and communities in Quebec.

### **Série de rapports économiques 2018 : Le rôle du Canada dans futur bouquet énergétique mondial**

APR2018 Pub #: 2018-9304 13p. Price:\$

Available: Electronic;Print

(E) The world's thirst for energy is on the rise and Canada has an opportunity to meet the growing global demand for energy in an environmentally and socially responsible manner, but only with effective regulatory policies and increased market access. Canada's Role in the World's Future Energy Mix is the second report in a series of economic reports released by CAPP, which examines the growing demand for energy in all forms and outlines a vision for Canada to become the world's energy supplier of choice.

## **Health & Safety**

### **Addressing Spill Response with Scientific Research**

MA 2018 Pub #: 2018-0013 2p. Price:\$

Available: Electronic

(E) CAPP and CEPA support science-based studies aimed at improving transportation standards in Canada. Canada's oil and natural gas industry is committed to safety and world-leading response mechanisms in all areas of operations.

### **Atlantic Canada Medical Assessment for Fitness to Work Offshore May 2016**

May 2016 Pub #: 2016-0023 24 p. Price:\$

Available: Electronic

(E) It is a requirement within the Atlantic Canada offshore petroleum industry that all individuals employed at offshore installations undergo an evaluation of their medical fitness prior to basic survival training, travelling offshore and periodically throughout the duration of their employment on an offshore installation.

This Guide outlines the industry best practices for the evaluation of medical fitness and provides a protocol for examining physicians to assess fitness to work in an offshore environment.

### **Atlantic Canada Offshore Petroleum Industry Escape, Evacuation and Rescue Guide**

Jun 2010 Pub #: 2010-0017 34 p. Price:\$ 0

Available: Electronic

(E) The Atlantic Canada Offshore Petroleum Industry Escape, Evacuation and Rescue Guide is the culmination of a joint effort among offshore industry operators, drilling contractors and regulatory authorities. The resulting Guide is intended to assist operators with respect to escape, evacuation and rescue (EER) by establishing the broad performance goals of escape, evacuation and rescue emergency response. The concept of a performance or goal based approach to escape, evacuation and rescue was envisioned in the report by the Royal Commission on the Ocean Ranger Marine Disaster, 1985 recommendations 81 and 107.

### **Benzene Emission Reductions by the Upstream Petroleum Industry**

Sep 2003 Pub #: 2003-0011 2 p. Price:\$ 0

Available: Electronic;Print

(E) This document provides background information on Benzene emissions in the oil and gas industry and what industry is doing to regulate and reduce emissions. See also: 2003-0005, 2000-0035, 1999-0008

### **Best Management Practice for Wildfire Prevention**

Jan 2008 Pub #: 2007-0022 75 p. Price:\$ 0

Available: Electronic

(E) These Best Management Practices are to be used collectively by the upstream oil and gas industry to assist them in the prevention of industry caused wildfires, and to mitigate the impact of catastrophic fires on industry infrastructure, operations, liability, personnel safety and the environment.<P>See also the <A HREF="http://esrd.alberta.ca/wildfire/fire-smart/documents/FireSmart-Guidebook-OilAndGasIndustry-2008.pdf" target="\_blank">FireSmart Guidebook for the Oil and Gas Industry</A> co-sponsored by the Alberta Department of Sustainable Resource Development and CAPP. This Guidebook addresses both the threat of wildfire to oil and gas industry values as well as the potential liability of the oil and gas industry. It is intended as a guide for industry planning engineers and safety program managers throughout the province.

### **Canada's Offshore Oil and Natural Gas Industry in Newfoundland and Labrador**

JUN2018 Pub #: 2018-0018 2p. Price:\$

Available: Electronic

(E) Offshore operators are exploring for and developing resources safely and responsibly in Newfoundland and Labrador, benefiting all residents of the province. The oil and natural gas industry contributes to local community and provincial revenues through royalty and tax payments, which help to pay for hospitals, roads, schools and social programs.

### **Code of Practice – Fatigue Management in the Canada-Newfoundland and Labrador Offshore Petroleum Industry**

JAN2018 Pub #: 2018-0008 16p. Price:\$

Available: Electronic

(E) This Code of Practice, summarizes the requirements for defining and managing Fatigue and the roles and responsibilities of Operators, Employers, Supervisors and Employees. This Code of Practice also summarizes the applicable regulatory requirements and provides information on the process for requesting an exemption to the day of rest provision section 22 (1) of the Newfoundland and Labrador Labour Standards Act. This Code of Practice does not apply to Workplace parties administered under a collective agreement. That said, it is the acknowledged intention of Operators subject to such collective agreements incorporate the principles of this Code of Practice into their Workplace.

### **Confined Space Code of Practice**

Jan 2018 Pub #: 2018-0011 67 p. Price:\$

Available: Electronic

(E) Working in or around a confined space is a high-risk activity. Across Canada, a significant number of people are killed or seriously injured in confined spaces each year. This happens in a wide range of industries, from those involving complex plants to simple storage vessels. Those affected include people working in the confined space and those who try to rescue them, often without appropriate training and equipment.

The regulations governing confined space activities vary significantly from one jurisdiction to the next. This Code of

Practice for Confined Space was developed by the upstream oil and gas industry to provide Canadian regulators with a recommendation for the harmonization of Federal, Provincial and Territorial confined space regulatory requirements.

## **Contractor Health, Safety and Environment Contract Requirements and Preliminary Information Request**

May 2006 Pub #: 2005-0039 19 p. Price: \$ 0

Available: Electronic

(E) Checklist to assist members in assessing health, safety and environment pre-qualification requirements for contractors. Identifies specific topics that may be included in the contract document, components of the safety program which can be selected for the project, minimum safety work practices and a form for contractor evaluations. The appendices are also available separately in a Word document for completion. **Please note:** The sole purpose of the contractor assessment questionnaire on this website is to provide a standard guide for contractors on the type of information that is likely to be required during contractor assessments. The goal is to simplify and reduce costs while maintaining high standards. Contractors should be aware that this questionnaire is a guide only. It does not mandate nor restrict the information that may be requested about a contractor prior to awarding work. Alternative information or additional information may be requested in accordance with the practices of any individual company. CAPP is aware that some registries have been created by private interests that in general offer companies a service while seeking fees from those seeking contracts. It is NOT the purpose of the CAPP guide to increase costs to those seeking contracts and CAPP does NOT endorse any registry or any particular contractor assessment process.

## **Contractor Health, Safety and Environment Contract Requirements and Preliminary Information Request - Appendices (Word format)**

May 2006 Pub #: 2005-0039 19 p. Price: \$ 0

Available: Electronic

(E) Checklist to assist members in assessing health, safety and environment pre-qualification requirements for contractors. Identifies specific topics that may be included in the contract document, components of the safety program which can be selected for the project, minimum safety work practices and a form for contractor evaluations. The appendices are also available separately in a Word document for completion.

## **Critical Roles and Competency Guide**

JAN 2017 Pub #: 2017-0007 15p. Price: \$

Available: Electronic

(E) This CAPP guide includes guidance on a consistent systematic approach to assure that operations are planned and executed by competent personnel. This document delivers CAPP's strategic guidance and systematic approach to competency in three parts: it provides background information on the importance and relevance of competencies, it outlines overarching, goals and objectives

for our industry, and it defines key terms and concepts as a foundation for understanding. Members are advised that it is up to each operator to apply the content of this guide in the context of their own operations and existing management system.

## **Dehydrator Benzene Inventory List (Form)**

Jun 2006 Pub #: 2006-0011 2 p. Price: \$ 0

Available: Electronic

(E) The Canadian upstream oil and gas industry is committed to minimizing health risks related to benzene emissions from glycol dehydrator operations through a continued reduction program. To further encourage emissions reductions, the Alberta Energy and Utilities Board and Alberta Environment have jointly issued [Directive 039](http://www.eub.ca/docs/documents/directives/Directive_e039.pdf) effective July 1, 2006. Licensees must comply with the new requirements by July 1, 2007. The [CAPP BMP](http://www.capp.ca/~media/capp/customer-portal/publications/105760) provides the tools necessary to be in compliance with the new requirements.

## **Electrical Installations for Impressed Current Cathodic Protection Systems**

NO 2018 Pub #: 2018-0003 44p. Price: \$

Available: Electronic

(E) This guide is intended to help those designing, installing, inspecting, or maintaining impressed current cathodic protection systems meet minimum regulatory requirements; and it also simultaneously benefits worker safety and reliability of the system. It outlines, from an electrical perspective, design and installation criteria related to impressed current cathodic protection systems, including: codes and Standards related to cathodic protection work, worker qualification, equipment certification, connection and splicing methods, installations, warning signs, documentation, and electrical inspections. See also: 326106

## **Emergency Air Monitoring Best Management Practices, March 2014**

Mar 2014 Pub #: 2014-0016 40p. Price: \$

Available: Electronic

(E) The best management practices guide for emergency air monitoring has been developed to provide information and guidance to oil and gas personnel when using air monitoring equipment during an emergency situation. This guide covers general considerations of emergency air monitoring such as the need for a communications process, the different types of air monitoring equipment, and the methodologies for their use. Specific substances are referenced including hydrogen sulphide, sulphur dioxide, carbon dioxide, and monitoring for flammable mixtures.

## **Emergency Preparedness Guide for Hazards Associated with Wildfires**

Apr 2015 Pub #: 2015-0003 34 p. Price:\$

Available: Electronic

(E) This guide is designed to provide a broad introduction to the dangers posed by wildfires and smoke.

An active wildfire front is often seen as the main risk to health and safety from a wildfire. Yet the smoke from a wildfire also poses a serious health and safety risk, and can lead to widespread evacuations and harm. During past wildfire incidents, heavy smoke from wildfires has forced the evacuation of nonessential employees and contractors. The guide is designed to give field personnel basic information to prepare for, recognize, assess and respond appropriately to the threat from wildfires and smoke.

## **Flammable Environments Guideline**

Dec 2014 Pub #: 2014-0004 19 p. Price:\$

Available: Electronic

(E) This document is a guide for CAPP members who are planning and supervising work where there is a need to minimize the hazards of a flammable environment. The content of this guide:

Identifies regulatory requirements applicable in a flammable environment

Describes a process flowchart for determining action in a (possible) flammable work area.

Raises awareness of associated hazards, which may minimize possible flammable exposure risks to workers and processes.

Outlines a risk-based approach to ensure that all CAPP member worksites that have a potential of generating a flammable environment are identified and appropriate controls are implemented.

Provides on-site work sheet tool (Appendix A) that can be copied and used as documentation forms to assess a worksite task for potential flammable exposure and identify appropriate controls.

## **Guide for the Selection and Use of Flame Resistant Workwear**

Dec 2014 Pub #: 2014-0005 21 p. Price:\$

Available: Electronic

(E) This document is intended to provide guidance for the selection, use and care of flame resistant workwear (FRW) for protection against exposure of individuals to a hydrocarbon flash fire. Each organization must make its own decisions about the degree of protection they require and type of FRW that meets their needs. The guidance provided in this document will help CAPP member companies and other users to make these decisions. The actual period for which protective workwear can offer protection against the flame, varies with the intensity of the flash fire, the fit of the garment and the capabilities of the wearer. For a particular garment this period of protection may vary considerably from one wearer to another. For purposes of this guide, the recommendations included within are for worker protection

against a hydrocarbon flash fire of duration of three seconds or less. It is important for users of FRW to acquire a basic knowledge of flash fire hazards and the clothing offering levels

## **H2S Release Rate Assessment and Audit Forms July 2012**

Jul 2012 Pub #: 2012-0008 51 p. Price:\$

Available: Electronic

(E) Before an application to drill a well can be submitted, regulators in Western Canada have mandated the preparation of an H2S release rate. H2S release rates are prepared for drilling, completion and producing operations to determine the following:<P><UL><LI>the emergency planning zone (EPZ) for each operation type,</LI><LI>the classification of the well (i.e. critical [special] or non-critical [non-special]),</LI><LI>the facility level designation for land-use setback requirements.</LI></UL><P>This guideline provides a methodology and standard for industry to calculate the potential H2S release rate of a well. <A HREF='http://www.capp.ca/library/publications/crudeOilAndOilSands/pages/pubInfo.aspx?DocId=211232&DT=NTV' target='\_blank'>Form templates</A> are provided that facilitate the capture of appropriate data for assessment, and are helpful for the audit process.

## **Health & Safety Performance Metrics Reporting Guide**

Nov 2013 Pub #: 2013-0029 54 p. Price:\$

Available: Electronic

(E) The guide describes how to determine when injuries, illnesses and fatalities are reportable, and how to calculate reportable metrics. The purpose of this Guide is to provide a framework for consistent reporting of health & safety performance metrics for petroleum industry operations managed by a CAPP member company and for benchmarking health & safety performance. These data provide statistical information and are intended to support prevention and improvement activities. These reporting requirements are for occupational injuries, illnesses and fatalities affecting employees and contractors. Injuries, illnesses, and/or fatalities occurring in a joint venture, under a member company's operating control, are included. Injuries, illnesses and/or fatalities occurring in downstream oil and natural gas, chemicals, subsidiaries or to partnerships are not included.

## **Impressed Current Cathodic Protection Safety Rectifier Guideline**

NO 2018 Pub #: 2018-0036 58p. Price:\$

Available: Electronic

(E) Cathodic protection rectifiers are used to convert AC current to DC current in order to supply impressed DC current This guideline contains the following information: cathodic protection terms, codes and standards related to cathodic protection rectifiers, equipment certification requirements, worker qualifications for cathodic protection system operation and maintenance and their bearing on cathodic protection rectifier designs, a basic description of

how cathodic protection systems work and the main components of cathodic protection rectifiers.

## Oil Mist Monitoring Protocol

Dec 2004 Pub #: 2005-0010 Price:\$ 0

Available: Electronic

(E) Occupational exposure to oil mist is a common occurrence during oil well drilling operations involving the use of invert mud. In addition, exposure to oil mist may occur during the production and refining of crude oil. Exposure to lubricating oil mist may also occur in locations where pumps and compressors are operating. Oil mist spray poses occupational health and fire safety concerns, and suitable sampling methods are required to assess and adequately control these hazards

effectively.<P><B>Objectives</B><P>The following project was undertaken in an effort to:<UL><LI>Outline the current difficulties in oil mist sample collection, analysis and interpretation.</LI><LI>Recommend an air sample collection and analytical method(s) for use by the petroleum industry for the evaluation of worker exposure to oil mist and fire safety risk of this contaminant. </LI><LI>Outline the limitations of the sample collection and analytical method(s) recommended for evaluation of worker exposure to oil mist.</LI><LI>Discuss how the results of the sampling can be interpreted with respect to both occupational health and fire safety regulatory requirements.</LI><LI>Present a list of qualified laboratories that can analyze for oil mist in accordance with the recommended method(s).</LI></UL>

## Online Training Identity Verification and Remote Proctoring

JUN2018 Pub #: 2018-0022 20p. Price:\$

Available: Electronic

(E) Online training is often used by employers to develop competencies in their staff. However, with this convenience comes the need to verify online training has been reliably delivered to the intended employee. Without reliable verification, employers incur serious legal and other risks associated with inadequately trained staff. This document describes online training identity verification and remote proctoring (IVRP), the legal, regulatory, and technological considerations of using IVRP, and provides best practices to improve IVRP in the workplace.

## Process Safety Management Regulatory Scan Report

Aug 2014 Pub #: 2014-0026 56p. Price:\$

Available: Electronic

(E) The management of process safety is globally recognized as the primary approach for establishing the required level of safe operations required to manage high-hazard processes.<br>This summary was prepared on behalf of the CAPP Process Safety Management (PSM) Committee. The purpose is to provide an overview of process safety regulations and best practices in Canada and around the world. <br>In Canada, many of the regulations required to address process safety management already exist together with responsible regulatory agencies. The key will be

identifying the regulatory gaps and overlaps to ensure problem areas are targeted and a cohesive enforcement strategy developed. A joint regulator - industry dialog will be critical to ensure the success of these efforts. <br>There has already been an extensive amount of work done on this subject. This summary leans heavily on the prior work done by a range of organizations and individuals. These are acknowledged throughout this overview. Links to key documents are provided in Appendix B.

## Process Safety Strategy & Data Roadmap

APR2018 Pub #: 2018-0021 14p. Price:\$

Available: Electronic

(E) CAPP's Safe Operations Strategy Enabling Zero identifies objectives and collective initiatives CAPP can do to support members' efficient operations and improvement of safety performance. The strategy is a new approach including

- a more inclusive safety scope (people, process and product stewardship),
- high-risk focus (severity/consequence),
- and analysis based upon data-driven decision making.

The first foundational years of Enabling Zero includes member-driven development of strategic guidance for process safety management.

This document delivers CAPP's strategic guidance for Process Safety Management, and a supporting plan for the development of the required data management support necessary to support the success of the PSM strategy.

## Responsible Canadian Energy 2014 Progress Report

Dec 2014 Pub #: 2014-0036 52 p. Price:\$

Available: Electronic;Print

(E) This report articulates industry's contribution to Canada's economic prosperity as well as its performance in four areas – people, air, water and land –through key environmental and social metrics. The analysis in this report is based on 2013 data collected from CAPP's upstream oil and gas producing members with Canadian operations.

## Safety Training in Atlantic Canada's Offshore Oil and Gas Industry

Oct 2012 Pub #: 2012-0017 4 p. Price:\$ 0

Available: Electronic;Print

(E) Keeping people safe is the first consideration in all aspects of offshore oil and gas activity. Making sure employees are equipped with the skills and training necessary to do their jobs safely is one of the ways the industry works to keep employees safe.

## Safety Training: Atlantic Canada's Offshore Oil and Natural Gas Industry

SEP2018 Pub #: 2018-0037 3p. Price:\$

Available: Electronic

(E) Keeping people safe is the first consideration in all aspects of offshore oil and natural gas activity. Making sure employees have the skills necessary to do their jobs safely

by providing relevant and appropriate training is one of the ways the industry strives to keep employees safe.

## **Small, Portable Oil & Gas Production Facilities: Recommended Solutions for Design and Operation (Safety Guide)**

Jul 2014 Pub #: 2014-0029 44 p. Price:\$

Available: Electronic

(E) This guide describes design and operation practices that support safe working conditions at small, portable oil and gas production facilities, often classified as high hazard industrial occupancies. The objective of the guide is to limit the probability that a person in or adjacent to a facility may be exposed to an unacceptable level of risk of injury or illness.

This guide is an update of the 1993 CAPP Safety Guidelines and reflects subsequent national and provincial amendments. The new guide is intended to supplement other applicable standards and regulatory codes. It recommends solutions for safe design, operation and maintenance practices for field facilities including worker training and competency. The guide addresses common safety issues and establishes minimum safety standards. There are three main areas of focus: process safety, public safety and occupational health and safety. Owners should assess their own requirements to establish design, operating, maintenance, and work

## **Industry Operations**

### **2018 Economic Report Series: A Global Vision of Canadian Oil and Natural Gas**

FEB2018 Pub #: 2018-9301 12p. Price:\$

Available: Electronic;Print

(E) A Global Vision for Canadian Oil and Natural Gas is the first in a series of reports to be released by CAPP. The report series will examine rising government costs, the burden of inefficient regulations, and the lack of infrastructure to move Canadian energy to growing markets, which undermines investor confidence in Canada and negatively affects the country's ability to attract the capital needed to create jobs and national prosperity. Read CAPP's vision for Canadian oil and natural gas to learn more.

### **2018 Economic Report Series: Canada's Role in the World's Future Energy Mix**

APR2018 Pub #: 2018-9303 13p. Price:\$

Available: Electronic;Print

(E) The world's thirst for energy is on the rise and Canada has an opportunity to meet the growing global demand for energy in an environmentally and socially responsible manner, but only with effective regulatory policies and increased market access. Canada's Role in the World's Future Energy Mix is the second report in a series of economic reports released by CAPP, which examines the growing demand for energy in all forms and outlines a vision for Canada to become the world's energy supplier of choice.

### **2018 Economic Report Series: Toward a Shared Future: Canada's Indigenous Peoples and the Oil and Natural Gas Industry**

NO 2018 Pub #: 2018-9307 17p. Price:\$

Available: Electronic;Print

(E) In this report, CAPP examines the evolving relationship between the upstream industry and Indigenous peoples, provides examples of industry initiatives that have had positive and sustainable effects on Indigenous communities, and makes recommendations for the Government of Canada to consider for moving the industry, and all of Canada, forward on the path toward reconciliation.

### **Best Management Practice for Fugitive Emissions Management**

Jan 2007 Pub #: 2007-0003 59 p. Price:\$ 0

Available: Electronic

(E) The aim of this Best Management Practices document is to assist the upstream oil and gas industry to meet the requirements under section 8.7 of AEUB Directive 060 and to cost effectively manage the most likely sources of significant emissions.

# CAPP Publications Catalogue

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## **Best Management Practice Guide for Designated Pipeline Sections in High-impact Areas**

Jul 2015 Pub #: 2015-0011 16 p. Price:\$

Available: Electronic

(E) This Best Management Practice Guide provides members an industry standard for the design, construction and operation of designated pipelines in high-impact areas.

## **Best Management Practice: Pipeline Leak Detection Programs**

MAY2018 Pub #: 2018-0020 15p. Price:\$

Available: Electronic

(E) The purpose of this BMP is to provide a guide to pipeline leak detection program best management practices that can be applied in the broadest range of applications, noting there is diversity in the practical problems that will be encountered in pipeline leak detection.

## **Best Management Practices for Facility Flare Reduction**

Dec 2006 Pub #: 2006-0018 47 p. Price:\$ 0

Available: Electronic

(E) This Best Management Practice (BMP) document provides design and operating staff with a recommended approach to identify routine and non-routine flare sources and quantities, and assesses the opportunity for reduction of flare volumes and frequency at their operated facilities. The guidance provided in this BMP can also apply to routine and non-routine venting.

## **Canada's Natural Gas**

Jul 2018 Pub #: 2018-0009 29p. Price:\$

Available: Electronic;Print

(E) The Facts on: Canada's Natural Gas was designed to give readers fast, easy access to natural gas facts that allow them to participate in a balanced discussion about energy, the economy and the environment. Facts are sourced from credible third parties or are developed using CAPP data that is checked against other data sources, including government reports.

## **Canadas Oil and Natural Gas Industry in Context**

NO 2017 Pub #: 2017-0055 2p. Price:\$

Available: Electronic

(E) All sources of energy, developed responsibly, will be needed to meeting growing global demand. Canada has an opportunity to share our steady, secure, reliable, and responsibly produced energy abroad, and drive to a lower-carbon economy at home.

## **Canada's Oil and Natural Gas Industry: Partners in America's Energy Future**

NO 2017 Pub #: 2017-0018 2p. Price:\$

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(E) Canada is currently the leading and most secure, reliable and competitive energy supplier to the United States, including crude oil and refined petroleum products, natural gas, electricity and uranium.

(E) Canada is currently the leading and most secure, reliable and competitive energy supplier to the United States, including crude oil and refined petroleum products, natural gas, electricity and uranium.

## **Canada's Oil and Natural Gas Sector: Setting the Record Straight on Subsidies**

NO 2017 Pub #: 2017-0057 2p. Price:\$

Available: Electronic

(E) In Canada, all businesses can deduct certain expenses and the oil and natural gas industry is no different. Tax measures of the oil and natural gas industry are not subsidies.

## **CAODC/CAPP Master Daywork Contract**

May 2001 Pub #: 2004-0005 14 p. Price:\$ 0

Available: Electronic

(E) This Standard Form Contract was developed by CAODC and CAPP (through a working group of Well Construction people). Key to its development was extensive legal review by the member legal departments. In May 2001, CAPP's Alberta Executive Policy Group agreed to allow the CAODC to affix the CAPP logo on the contract.

## **CAODC/CAPP Master Well Service Contract**

Nov 2003 Pub #: 2003-0018 21 p. Price:\$ 0

Available: Electronic

(E) Standard For Well Service Contract supported by CAPP and the CAODC in 2003

## **Clubroot Disease Management Best Management Practice**

JUL 2008 Pub #: 2008-1030 7 p. Price:\$ 0

Available: Electronic

(E) CAPP is aware of the concerns about clubroot disease in canola and we support management measures. The oil and gas industry recognizes that it is just one player in the management of this crop disease with primary responsibility resting with landowners. CAPP and its industry partners are committed to meeting or the regulations (specifically the Alberta Weed Control Act, Alberta Pest Act, Alberta Clubroot Management Plan, and county/municipality requirements as specified by the agricultural fieldmen). We will continue to work proactively with Alberta Agriculture and Rural Development as the primary regulator for managing and regulating the clubroot problem. See also: n/a

## **Critical Roles and Competency Guide**

JAN2017 Pub #: 2017-0007 15p. Price:\$

Available: Electronic

(E) This CAPP guide includes guidance on a consistent systematic approach to assure that operations are planned and executed by competent personnel. This document delivers CAPP's strategic guidance and systematic approach to competency in three parts: it provides background information on the importance and relevance of competencies, it outlines overarching, goals and objectives for our industry, and it defines key terms and concepts as a foundation for understanding. Members are advised that it is up to each operator to apply the content of this guide in the context of their own operations and existing management system.

## **Developing Effective Working Relationships with Aboriginal Communities**

Jan 2006 Pub #: 2006-0001 13 p. Price:\$ 0

Available: Electronic;Print

(E) Effective working relations support a corporate competitive advantage to operators through more timely access to land and greater involvement with local labour and contractors. This guide addresses the key issues and supporting rationale for oil and gas proponents operating in areas of identified interest to aboriginal communities. <P>Companies strive to manage many risks: economic, legal, safety, operational and those affecting corporate reputation. Understanding the interests of aboriginal communities, along with the development and implementation of corresponding strategies to address their unique concerns, is a key part of responsible risk management. The unique interests and constitutional rights of aboriginal communities support the rationale for industry to develop strong business relationships with communities, relationships based upon trust and respect to achieve common goals.

## **Electrical Installations for Impressed Current Cathodic Protection Systems**

NO 2018 Pub #: 2018-0003 44p. Price:\$

Available: Electronic

(E) This guide is intended to help those designing, installing, inspecting, or maintaining impressed current cathodic protection systems meet minimum regulatory requirements; and it also simultaneously benefits worker safety and reliability of the system. It outlines, from an electrical perspective, design and installation criteria related to impressed current cathodic protection systems, including: codes and Standards related to cathodic protection work, worker qualification, equipment certification, connection and splicing methods, installations, warning signs, documentation, and electrical inspections. See also: 326106

## **Emergency Preparedness Guide for Hazards Associated with Wildfires**

Apr 2015 Pub #: 2015-0003 34 p. Price:\$

Available: Electronic

(E) This guide is designed to provide a broad introduction to the dangers posed by wildfires and smoke. An active wildfire front is often seen as the main risk to

health and safety from a wildfire. Yet the smoke from a wildfire also poses a serious health and safety risk, and can lead to widespread evacuations and harm. During past wildfire incidents, heavy smoke from wildfires has forced the evacuation of nonessential employees and contractors. The guide is designed to give field personnel basic information to prepare for, recognize, assess and respond appropriately to the threat from wildfires and smoke.

## **Étude : Les retombées économiques au Québec de l'exploitation des sables bitumineux du Canada, AppEco**

JUN2017 Pub #: 2017-0037 27p. Price:\$

Available: Electronic

(E) Cette étude a calculé les retombées économiques au Québec découlant des activités des producteurs pétroliers des sables bitumineux du Canada, via leurs dépenses auprès des fournisseurs québécois.

## **Exploration Drilling in Atlantic Canada Offshore Fact Sheet**

Oct 2017 Pub #: 2017-0047 4 p. Price:\$

Available: Electronic

(E) Offshore exploration wells are drilled to confirm whether geological formations identified in seismic surveys contain oil and natural gas. This fact sheet outlines the steps taken in planning and implementing an offshore drilling program, as well as the key equipment used.

## **Flammable Environments Guideline**

Dec 2014 Pub #: 2014-0004 19 p. Price:\$

Available: Electronic

(E) This document is a guide for CAPP members who are planning and supervising work where there is a need to minimize the hazards of a flammable environment. The content of this guide:  
Identifies regulatory requirements applicable in a flammable environment  
Describes a process flowchart for determining action in a (possible) flammable work area.  
Raises awareness of associated hazards, which may minimize possible flammable exposure risks to workers and processes.  
Outlines a risk-based approach to ensure that all CAPP member worksites that have a potential of generating a flammable environment are identified and appropriate controls are implemented.  
Provides on-site work sheet tool (Appendix A) that can be copied and used as documentation forms to assess a worksite task for potential flammable exposure and identify appropriate controls.

## **Fossil Fuel Subsidies - Fact Sheet**

NO 2017 Pub #: 2017-0058 2p. Price:\$

Available: Electronic

(E) While Canada taxes the consumption of oil and natural gas, many other countries in the world offer subsidies

instead. Subsidies targeted at consumption, or reducing the cost of fossil fuels to the end user, is where the majority of global fossil fuel subsidies reside.

## **Geophysical Vehicle Pipeline Crossing Approval Process**

SEP2007 Pub #: 2007-0014 14 p. Price:\$ 0

Available: Electronic

(E) This Guide to Geophysical Vehicle Pipeline Crossing Approval Process contains standardized guidance and forms for approving pipeline crossings of geophysical vehicles. It also recommends expedited approvals for: <UL><LI>wheeled vehicles with a gross weight of 4,000 kg (8,800 lb.) or less, and <LI>tracked vehicles with a gross weight of 7,250 kg (16,000 lb.) or less.</UL> <P>This Guide supplements the two government regulations governing pipeline crossings during geophysical exploration activities, including the Alberta Energy and Utilities Board Pipeline Act and Regulation (Part 5, Section 66) and the Alberta Exploration Regulation 284/2006 (Section 43).

## **Guide for the Selection and Use of Flame Resistant Workwear**

Dec 2014 Pub #: 2014-0005 21 p. Price:\$

Available: Electronic

(E) This document is intended to provide guidance for the selection, use and care of flame resistant workwear (FRW) for protection against exposure of individuals to a hydrocarbon flash fire. Each organization must make its own decisions about the degree of protection they require and type of FRW that meets their needs. The guidance provided in this document will help CAPP member companies and other users to make these decisions. The actual period for which protective workwear can offer protection against the flame, varies with the intensity of the flash fire, the fit of the garment and the capabilities of the wearer. For a particular garment this period of protection may vary considerably from one wearer to another. For purposes of this guide, the recommendations included within are for worker protection against a hydrocarbon flash fire of duration of three seconds or less. It is important for users of FRW to acquire a basic knowledge of flash fire hazards and the clothing offering levels

## **H2S Release Rate Assessment and Audit Forms July 2012**

Jul 2012 Pub #: 2012-0008 51 p. Price:\$

Available: Electronic

(E) Before an application to drill a well can be submitted, regulators in Western Canada have mandated the preparation of an H2S release rate. H2S release rates are prepared for drilling, completion and producing operations to determine the following: <P><UL><LI>the emergency planning zone (EPZ) for each operation type,</LI><LI>the classification of the well (i.e. critical [special] or non-critical [non-special]),</LI><LI>the facility level designation for land-use setback requirements.</LI></UL><P>This guideline provides a methodology and standard for industry to calculate the potential H2S release rate of a well. <A

href="http://www.capp.ca/library/publications/crudeOilAndOilSands/pages/pubInfo.aspx?DocId=211232&DT=NTV" target="\_blank">Form templates</A> are provided that facilitate the capture of appropriate data for assessment, and are helpful for the audit process.

## **HVDC Mitigation Guidelines for Pipelines**

Jun 2014 Pub #: 2014-0034 75 p. Price:\$

Available: Electronic

(E) This guide provides members with a comprehensive resource for evaluating the electromagnetic influence on pipelines presented by an adjacent HVDC power line. The guide introduces the operating principles of the HVDC system, contrasts it with AC system behaviors and introduces a screening guideline for gauging impact upon pipeline facilities.

## **Hydraulic Fracturing: How it works**

AU 2018 Pub #: 2018-0019 2p. Price:\$

Available: Electronic;Print

(E) Hydraulic fracturing is a safe, proven technology that has opened up abundant sources of the cleanest-burning fossil fuel – natural gas. Through continued innovation and responsible operations, Canada is leading the way in developing this important resource responsibly in order to meet the world's growing energy demand.

## **Impressed Current Cathodic Protection Safety Rectifier Guideline**

NO 2018 Pub #: 2018-0036 58p. Price:\$

Available: Electronic

(E) Cathodic protection rectifiers are used to convert AC current to DC current in order to supply impressed DC current This guideline contains the following information: cathodic protection terms, codes and standards related to cathodic protection rectifiers, equipment certification requirements, worker qualifications for cathodic protection system operation and maintenance and their bearing on cathodic protection rectifier designs, a basic description of how cathodic protection systems work and the main components of cathodic protection rectifiers.

## **Industrie Canadienne du pétrole et du gaz naturel : Mise au point à propos des <<subventions>>**

JUL 2018 Pub #: 2018-0030 2p. Price:\$

Available: Electronic

(E) In Canada, all businesses can deduct certain expenses and the oil and natural gas industry is no different. Tax measures of the oil and natural gas industry are not subsidies.

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## **International Review - Environmental Assessment Process: A Summary Based on the Review by Worley Parsons Canada**

MA 2017 Pub #: 2017-0025 3p. Price:\$

Available: Electronic

(E) Worley Parsons Canada was commissioned to conduct a study comparing Canada's environmental assessment (EA) process with four countries: Australia, the United Kingdom, Norway and the United States. In addition, the review included the World Bank and International Finance Corporation practices and procedures.

The review's purpose was to investigate and summarize government regulatory practices and advancements in the selected jurisdictions, and to identify lessons learned, best practices, and opportunities to improve Canada's federal EA process.

See also: 2017-0026

## **Living Together - Working Together - Industry Guiding Principles**

MAY2018 Pub #: 2017-0048 2p. Price:\$

Available: Electronic;Print

(E) Canada's upstream oil and natural gas industry has a strong track record as a safe and reliable producer of energy, and partner in the community. Recognizing the increasing importance to be transparent and clearly demonstrate a commitment to responsible energy development, CAPP members collaborated to create Guiding Principles that focus on conduct in the communities where our members operate.

## **Managing Methane Emissions for Oil and Natural Gas Development**

SEP2017 Pub #: 2017-0002 2p. Price:\$

Available: Electronic

(E) Canada's oil and natural gas industry recognizes that climate change is one of the great challenges facing the world. Methane emissions contribute to greenhouse gas emissions (GHGs). That's why reducing methane emissions from all sources is an important way to tackle the climate change challenge.

## **Managing Produced Water in Atlantic Canada's Offshore Oil and Natural Gas Industry**

SEP2018 Pub #: 2018-0038 2p. Price:\$

Available: Electronic

(E) Water is an integral part of oil and gas production. In the offshore, water that has been extracted from an oil and gas reservoir – or produced water – must be treated and disposed of in a manner that ensures the marine environment is protected.

## **Mitigation of External Corrosion on Buried Carbon Steel Pipeline Systems**

Jul 2018 Pub #: 2018-0028 19 p. Price:\$

Available: Electronic

(E) This document addresses the design, maintenance and operating considerations for the mitigation of external corrosion on buried pipelines constructed with carbon steel materials. Corrosion is a dominant contributing factor to failures and leaks in pipelines. To deal with this issue, the CAPP Pipeline Technical Committee has developed industry recommended practices to improve and maintain the mechanical integrity of upstream pipelines. They are intended to assist upstream oil and gas producers in recognizing the conditions that contribute to pipeline corrosion incidents, and identify effective measures that can be taken to reduce the likelihood of corrosion incidents.

## **Mitigation of internal corrosion in carbon steel gas pipeline systems**

SEP2018 Pub #: 2018-0040 24p. Price:\$

Available: Electronic

(E) This document addresses design, maintenance and operating considerations for the mitigation of internal corrosion in gas pipeline systems constructed with carbon steel materials.

## **Mitigation of Internal Corrosion in Carbon Steel Oil Effluent Pipeline Systems**

Jul 2018 Pub #: 2018-0027 17 p. Price:\$

Available: Electronic

(E) This document addresses design, maintenance and operating considerations for the mitigation of internal corrosion in oil effluent pipeline systems. Corrosion is a dominant contributing factor to failures and leaks in pipelines. To deal with this issue, the CAPP Pipeline Technical Committee has developed industry recommended practices to improve and maintain the mechanical integrity of upstream pipelines. They are intended to assist upstream oil and gas producers in recognizing the conditions that contribute to pipeline corrosion incidents, and identify effective measures that can be taken to reduce the likelihood of corrosion incidents.

## **Mitigation of internal corrosion in carbon steel water pipeline systems**

NO 2018 Pub #: 2018-0046 20p. Price:\$

Available: Electronic

(E) This document addresses design, maintenance and operating considerations for the mitigation of internal corrosion in water handling systems. Typically, these would be pipelines used to convey fresh source water, produced water for water flood purposes, water sent for disposal in disposal wells, or steam condensate. This document does not address the deterioration of aluminum and non-metallic pipelines.

## Oil and Natural Gas Priorities for a Prosperous British Columbia

JUL 2017 Pub #: 2017-0036 12p. Price:\$

Available: Electronic

(E) British Columbia has what it takes to be a global energy leader: an abundance of natural gas, a highly skilled workforce, a stringent regulatory system, and a commitment to environmental performance. Now is the time to develop our resources to their full potential through leadership and fair, balanced policies, attracting investment and delivering economic prosperity for all British Columbians.

## Oil Mist Monitoring Protocol

Dec 2004 Pub #: 2005-0010 Price:\$ 0

Available: Electronic

(E) Occupational exposure to oil mist is a common occurrence during oil well drilling operations involving the use of invert mud. In addition, exposure to oil mist may occur during the production and refining of crude oil. Exposure to lubricating oil mist may also occur in locations where pumps and compressors are operating. Oil mist spray poses occupational health and fire safety concerns, and suitable sampling methods are required to assess and adequately control these hazards

effectively. <P><B>Objectives</B><P>The following project was undertaken in an effort to:<UL><LI>Outline the current difficulties in oil mist sample collection, analysis and interpretation.</LI><LI>Recommend an air sample collection and analytical method(s) for use by the petroleum industry for the evaluation of worker exposure to oil mist and fire safety risk of this contaminant. </LI><LI>Outline the limitations of the sample collection and analytical method(s) recommended for evaluation of worker exposure to oil mist.</LI><LI>Discuss how the results of the sampling can be interpreted with respect to both occupational health and fire safety regulatory requirements.</LI><LI>Present a list of qualified laboratories that can analyze for oil mist in accordance with the recommended method(s).</LI></UL>

## Oilfield Waste Profile Sheets

OCT2018 Pub #: 2018-0005 66p. Price:\$

Available: Electronic

(E) The Oilfield Waste Profile Sheets contained in this guide have been prepared to assist upstream petroleum industry operators with the classification and handling of common industry wastes.

<p>Each Waste Profile Sheet has been divided into four sections: General Information, Hazard Information, Management Methods, and Transportation.</p>

<p>The waste profile sheet information is provided as general industry guidance. The waste profile sheets do not substitute for specific analysis, the approval of waste specific disposal methods and any other work required for the proper determination of health and safety protocols, transportation requirements, and suitable waste disposal methods.</p>

## Online Training Identity Verification and Remote Proctoring

JUN2018 Pub #: 2018-0022 20p. Price:\$

Available: Electronic

(E) Online training is often used by employers to develop competencies in their staff. However, with this convenience comes the need to verify online training has been reliably delivered to the intended employee. Without reliable verification, employers incur serious legal and other risks associated with inadequately trained staff. This document describes online training identity verification and remote proctoring (IVRP), the legal, regulatory, and technological considerations of using IVRP, and provides best practices to improve IVRP in the workplace.

## Pipeline Associated Watercourse Crossing Fish and Fish Habitat Impact Assessment Tool, 2018 edition

OCT2018 Pub #: 2018-0044 120p. Price:\$

Available: Electronic

(E) The Pipeline Associated Watercourse Crossings is a guidance document developed by the Canadian Energy Pipeline Association, along with its partners the Canadian Gas Association and the Canadian Association of Petroleum Producers. It outlines the present regulatory framework under which pipeline associated watercourse crossings are assessed and constructed in Canada. In addition, it suggests measures to assist pipeline companies, governing agencies and contractors during the planning, construction, operation and maintenance of pipeline associated watercourse crossings.

## Planning Horizontal Directional Drilling for Pipeline Construction

SEP2004 Pub #: 2004-0022 Price:\$ 0

Available: Electronic

(E) Horizontal Directionally Drilling (HDD) has proven itself over the last few years to be a very effective technique for the installation of pipelines and other utilities in sensitive or congested areas. This document provides guidance on the regulatory, environmental, geotechnical, risk, economics, engineering, contractual and construction considerations that must be evaluated prior to any final decisions to proceed with an HDD installation.\r\n\r\nThe purpose of this document is to assist pipeline companies, contractors and regulators in planning, evaluating and constructing HDD crossings.\r\n\r\n

## Principes Directeurs de l'Exploitation des Sables Bitumineux

OCT2016 Pub #: 2016-0032 1p. Price:\$

Available: Electronic

(E) L'industrie canadienne des sables bitumineux constitue une source d'énergie sûre, s'engage à améliorer sa performance environnementale et offre des avantages économiques à la société, tout en exploitant cette ressource importante pour

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l'ensemble de la planète. Nous y parvenons en nous améliorant continuellement, en élaborant de nouvelles technologies et en appliquant les principes directeurs.

See also: 2016-0039

## Process Safety Strategy & Data Roadmap

APR2018 Pub #: 2018-0021 14p. Price:\$

Available: Electronic

(E) CAPP's Safe Operations Strategy Enabling Zero identifies objectives and collective initiatives CAPP can do to support members' efficient operations and improvement of safety performance. The strategy is a new approach including

- a more inclusive safety scope (people, process and product stewardship),
- high-risk focus (severity/consequence),
- and analysis based upon data-driven decision making.

The first foundational years of Enabling Zero includes member-driven development of strategic guidance for process safety management.

This document delivers CAPP's strategic guidance for Process Safety Management, and a supporting plan for the development of the required data management support necessary to support the success of the PSM strategy.

## Safety Training: Atlantic Canada's Offshore Oil and Natural Gas Industry

SEP2018 Pub #: 2018-0037 3p. Price:\$

Available: Electronic

(E) Keeping people safe is the first consideration in all aspects of offshore oil and natural gas activity. Making sure employees have the skills necessary to do their jobs safely by providing relevant and appropriate training is one of the ways the industry strives to keep employees safe.

## Série de rapports économiques 2018 : L'avenir du pétrole et du gaz naturel du Canada: une perspective mondiale

FEB2018 Pub #: 2018-9302 12p. Price:\$

Available: Electronic;Print

(E) A Global Vision for Canadian Oil and Natural Gas is the first in a series of reports to be released by CAPP. The report series will examine rising government costs, the burden of inefficient regulations, and the lack of infrastructure to move Canadian energy to growing markets, which undermines investor confidence in Canada and negatively affects the country's ability to attract the capital needed to create jobs and national prosperity. Read CAPP's vision for Canadian oil and natural gas to learn more.

## Small, Portable Oil & Gas Production Facilities: Recommended Solutions for Design and Operation (Safety Guide)

Jul 2014 Pub #: 2014-0029 44 p. Price:\$

Available: Electronic

(E) This guide describes design and operation practices that

support safe working conditions at small, portable oil and gas production facilities, often classified as high hazard industrial occupancies. The objective of the guide is to limit the probability that a person in or adjacent to a facility may be exposed to an unacceptable level of risk of injury or illness.

This guide is an update of the 1993 CAPP Safety Guidelines and reflects subsequent national and provincial amendments. The new guide is intended to supplement other applicable standards and regulatory codes. It recommends solutions for safe design, operation and maintenance practices for field facilities including worker training and competency. The guide addresses common safety issues and establishes minimum safety standards. There are three main areas of focus: process safety, public safety and occupational health and safety. Owners should assess their own requirements to establish design, operating, maintenance, and work

## Subventions aux combustibles fossiles

JUL 2018 Pub #: 2018-0025 2p. Price:\$

Available: Electronic

(E) While Canada taxes the consumption of oil and natural gas, many other countries in the world offer subsidies instead. Subsidies targeted at consumption, or reducing the cost of fossil fuels to the end user, is where the majority of global fossil fuel subsidies reside.

## Supplementary Metric Practice Guide for the Petroleum and Natural Gas Industry and Services - 5th Edition

Jan 1989 Pub #: 1989-0017 81 p. Price:\$ 0

Available: Electronic

(E) Condensed version of the International System of Units (SI) and its proper usage in Canada, with recommended units for use in specialized applications of the petroleum industry in relation to exploration, production, gas processing, and pipelines and other fields pertinent to the petroleum industry, such as pipe sizes. Provides conversion factors for all specialized units, and the values for commonly used constants. Appendices include "Metric Transition of Marketing/Custody Transfer of Natural Gas, Light Hydrocarbons, Crude Oil, and Refined Petroleum Products" originally published in 1979.

## Upstream Pipelines in Alberta

AU 2017 Pub #: 2017-0042 2p. Price:\$

Available: Electronic

(E) Pipelines are a critical part of Alberta's petroleum infrastructure. Often called an energy superhighway, they are a reliable and safe way to transport liquids, such as oil and water, and natural gas.

## Use of HDPE Lined Pipelines

MAY2017 Pub #: 2017-0006 53p. Price:\$

Available: Electronic

(E) This Best Management Practice for Use of HDPE Lined

Pipelines is meant to provide increased awareness among designers, installers and users of high density polyethylene (HDPE) lined pipeline systems of some industry practices and lessons learned regarding HDPE lined pipelines, as used by the upstream oil and gas industry. The document highlights lessons learned and recommended best practices gathered from Canadian industry experiences; provides some guidance for designers, installers and users who may have limited experience with HDPE lined pipelines.

## **Use of Reinforced Composite Pipe (Non-Metallic Pipelines)**

APR2017 Pub #: 2017-0005 77p. Price:\$

Available: Electronic

(E) The Best Management Practice for Use of Reinforced Composite Pipe (Non-Metallic Pipelines) is meant to provide increased awareness among designers, installers and users of non-metallic reinforced composite pipeline systems of some industry practices and lessons learned regarding reinforced composite pipelines as used by the upstream oil and gas industry. The document highlights differences between conventional steel pipe and reinforced composite pipe; lessons learned and recommended best practices as gathered from Canadian industry experiences; and provides some guidance for designers, installers, and users who may have limited experience with reinforced composite pipelines.

## **Water Conservation, Efficiency and Productivity (CEP) Plan Progress Report – Upstream Oil and Gas Sector (January 2016)**

JAN2016 Pub #: 2016-0037 32p. Price:\$

Available: Electronic

(E) This progress report describes and evaluates the upstream oil and gas sector's success in meeting the objectives and targets described in its Water Conservation, Efficiency and Productivity (CEP) Plan (2011). The sector's CEP performance measure was non-saline water use productivity; i.e., the volume of non-saline water used to produce each unit of oil or bitumen.

Water use statistics are provided to describe the improvements in non-saline water use productivity made by the following industry sub-sectors: oil sands mining, oil sands in situ, conventional oil, well drilling and gas plants. Statistics are not yet available for shale gas, tight gas and tight oil water use. In each of the sub-sectors, water productivity surpassed the Water for Life strategy's provincial target of a 30% improvement from 2005 levels by 2015.

## **What to Expect When You're Expecting a Well**

Jun 2014 Pub #: 2014-0017 18 p. Price:\$

Available: Electronic;Print

(E) This brochure provides general information and an overview of the lifecycle of a typical well, which might be in production for 10 to 40 years. It illustrates activity levels at various stages and demonstrates most activity occurs in the very early stages of development. See also: 2014-0018

## **Natural Gas**

### **# 7 CAPP Hydraulic Fracturing Operating Practice: Anomalous Induced Seismicity: Assessment, Monitoring, Mitigation and Response**

Nov 2012 Pub #: 2012-0024 4 p. Price:\$ 0

Available: Electronic;Print

(E) To support CAPP's Guiding Principles for Hydraulic Fracturing, Seven Operating Practices have been developed in collaboration with CAPP member companies. These Operating Practices strengthen industry's commitment to continuous improvement in shale gas and tight gas development. See also: 2012-0026; 2012-0029; 2012-0030; 2012-0030; 2012-0032; 2012-0033; 2012-0034; 2012-0035; 2012-0036

### **#1 ACP: Pratique d'exploration relative à la fracturation hydraulique: divulgation des additifs contenus dans les fluides de fracturation**

Dec 2012 Pub #: 2012-0038 4 p. Price:\$ 0

Available: Electronic;Print

(E) To support CAPP's Guiding Principles for Hydraulic Fracturing, Seven Operating Practices have been developed in collaboration with CAPP member companies. These operating Practices strengthen industry's commitment to continuous improvement in shale gas, tight gas and tight oil development. See also: 2012-0040; 2012-0041; 2012-0043; 2012-0045; 2012-0026; 2012-0037; 2012-0039; 2012-0042

### **#1 CAPP Hydraulic Fracturing Operating Practice: Fracturing Fluid Additive Disclosure**

Dec 2012 Pub #: 2012-0031 4 Price:\$ 0

Available: Electronic;Print

(E) To support CAPP's Guiding Principles for Hydraulic Fracturing, Seven Operating Practices have been developed in collaboration with CAPP member companies. These operating Practices strengthen industry's commitment to continuous improvement in shale gas, tight gas and tight oil development. See also: 2012-0024; 2012-0029; 2012-0030; 2012-0030; 2012-0032; 2012-0033; 2012-0034; 2012-0035; 2012-0036

### **#2 ACP: Pratique d'exploitation relative à la fracturation hydraulique: évaluation et gestion des risques associés aux additifs dans les fluides de fracturation**

Dec 2012 Pub #: 2012-0039 4 p. Price:\$ 0

Available: Electronic;Print

(E) To support CAPP's Guiding Principles for Hydraulic Fracturing, Seven Operating Practices have been developed in collaboration with CAPP member companies. These operating Practices strengthen industry's commitment to continuous improvement in shale gas, tight gas and tight oil development. See also: 2012-0038; 2012-0040; 2012-0041; 2012-0042; 2012-0043; 2012-0045; 2012-0026; 2012-0037

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## #2 CAPP Hydraulic Fracturing Operating Practice: Fracturing Fluid Additive Risk Assessment and Management

Dec 2012 Pub #: 2012-0032 4 Price:\$ 0

Available: Electronic;Print

(E) To support CAPP's Guiding Principles for Hydraulic Fracturing, Seven Operating Practices have been developed in collaboration with CAPP member companies. These operating Practices strengthen industry's commitment to continuous improvement in shale gas, tight gas and tight oil development. See also: 2012-0024; 2012-0029; 2012-0030; 2012-0030; 2012-0031; 2012-0033; 2012-0034; 2012-0035; 2012-0036

## #3 ACP: Pratique d'exploitation relative à la fracturation hydraulique: essais de base sur les eaux souterraines

Dec 2012 Pub #: 2012-0040 4 p. Price:\$ 0

Available: Electronic;Print

(E) To support CAPP's Guiding Principles for Hydraulic Fracturing, Seven Operating Practices have been developed in collaboration with CAPP member companies. These operating Practices strengthen industry's commitment to continuous improvement in shale gas, tight gas and tight oil development. See also: 2012-0041; 2012-0043; 2012-0045; 2012-0026; 2012-0037; 2012-0039; 2012-0042; 2012-0038

## #3 CAPP Hydraulic Fracturing Operating Practice: Baseline Groundwater Testing

Dec 2012 Pub #: 2012-0033 4 Price:\$ 0

Available: Electronic;Print

(E) To support CAPP's Guiding Principles for Hydraulic Fracturing, Seven Operating Practices have been developed in collaboration with CAPP member companies. These operating Practices strengthen industry's commitment to continuous improvement in shale gas, tight gas and tight oil development. See also: 2012-0024; 2012-0029; 2012-0030; 2012-0030; 2012-0031; 2012-0032; 2012-0034; 2012-0035; 2012-0036

## #4 ACP: Pratique d'exploitation relative à la fracturation hydraulique: construction de puits de forage et assurance de la qualité

Dec 2012 Pub #: 2012-0041 4 p. Price:\$ 0

Available: Electronic;Print

(E) To support CAPP's Guiding Principles for Hydraulic Fracturing, Seven Operating Practices have been developed in collaboration with CAPP member companies. These operating Practices strengthen industry's commitment to continuous improvement in shale gas, tight gas and tight oil development. See also: 2012-0045; 2012-0026; 2012-0037; 2012-0039; 2012-0042; 2012-0038; 2012-0040; 2012-0043

## #4 CAPP Hydraulic Fracturing Operating Practice: Wellbore Construction and Quality Assurance

Dec 2012 Pub #: 2012-0034 4 Price:\$ 0

Available: Electronic;Print

(E) To support CAPP's Guiding Principles for Hydraulic Fracturing, Seven Operating Practices have been developed in collaboration with CAPP member companies. These operating Practices strengthen industry's commitment to continuous improvement in shale gas, tight gas and tight oil development.

See also: 2012-0024; 2012-0029; 2012-0030; 2012-0031; 2012-0032; 2012-0033; 2012-0035; 2012-0036

## #5 ACP: Pratique d'exploitation relative à la fracturation hydraulique: approvisionnement en eau, mesure, et réutilisation de l'eau

Dec 2012 Pub #: 2012-0042 4 p. Price:\$ 0

Available: Electronic;Print

(E) To support CAPP's Guiding Principles for Hydraulic Fracturing, Seven Operating Practices have been developed in collaboration with CAPP member companies. These operating Practices strengthen industry's commitment to continuous improvement in shale gas, tight gas and tight oil development. See also: 2012-0038; 2012-0040; 2012-0041; 2012-0043; 2012-0045; 2012-0026; 2012-0037; 2012-0039

## #5 CAPP Hydraulic Fracturing Operating Practice: Water Sourcing, Measurement and Reuse

Dec 2012 Pub #: 2012-0035 4 Price:\$ 0

Available: Electronic;Print

(E) To support CAPP's Guiding Principles for Hydraulic Fracturing, Seven Operating Practices have been developed in collaboration with CAPP member companies. These operating Practices strengthen industry's commitment to continuous improvement in shale gas, tight gas and tight oil development.

See also: 2012-0024; 2012-0029; 2012-0030; 2012-0030; 2012-0031; 2012-0032; 2012-0033; 2012-0034; 2012-0036

## #6 ACP: Pratique d'exploitation relative à la fracturation hydraulique: transport, manipulation, stockage et élimination des fluides

Dec 2012 Pub #: 2012-0043 4 p. Price:\$ 0

Available: Electronic;Print

(E) To support CAPP's Guiding Principles for Hydraulic Fracturing, Seven Operating Practices have been developed in collaboration with CAPP member companies. These operating Practices strengthen industry's commitment to continuous improvement in shale gas, tight gas and tight oil development. See also: 2012-0041; 2012-0045; 2012-0026; 2012-0037; 2012-0039; 2012-0042; 2012-0038; 2012-0040

## #6 CAPP Hydraulic Fracturing Operating Practice: Fluid Transport, Handling, Storage and Disposal

Dec 2012 Pub #: 2012-0036 4 Price:\$ 0

Available: Electronic;Print

(E) To support CAPP's Guiding Principles for Hydraulic Fracturing, Seven Operating Practices have been developed in collaboration with CAPP member companies. These operating Practices strengthen industry's commitment to continuous improvement in shale gas, tight gas and tight oil development.

See also: 2012-0024; 2012-0029; 2012-0030; 2012-0030; 2012-0031; 2012-0032; 2012-0033; 2012-0034; 2012-0035

## #7 ACP: activité sismique induite anormale: évaluation, surveillance, mesures d'atténuation et capacité d'intervention

Dec 2012 Pub #: 2012-0026 4 p. Price:\$ 0

Available: Electronic;Print

(E) To support CAPP's Guiding Principles for Hydraulic Fracturing, Seven Operating Practices have been developed in collaboration with CAPP member companies. These operating Practices strengthen industry's commitment to continuous improvement in shale gas, tight gas and tight oil development. See also: 2012-0040; 2012-0041; 2012-0043; 2012-0045; 2012-0026; 2012-0037; 2012-0038; 2012-0039; 2012-0042

## An Introduction to Oil and Gas Leasing in British Columbia, Alberta and Saskatchewan

Jun 2014 Pub #: 2014-0018 16 p. Price:\$

Available: Electronic;Print

(E) This brochure provides general information about the land leasing process and a list of resources for further information. This is general guide and not a legal document. See also: 2014-0017

## British Columbia's Oil and Natural Gas Industry

APR2018 Pub #: 2018-0016 4p. Price:\$

Available: Electronic;Print

(E) British Columbia has produced both natural gas and crude oil since 1952. Innovations have led the industry to focus on the development of unconventional natural gas regions in Northeast B.C. Development of these significant resources – more than 500 trillion cubic feet (tcf) of natural gas - provides British Columbians with a variety of economic benefits, such as jobs, and government revenues.

## Canada's Offshore Oil and Natural Gas Industry in Nova Scotia

Jul 2018 Pub #: 2018-0034 2 Price:\$

Available: Electronic

(E) Offshore operators have been exploring for and developing resources safely and responsibly in offshore Nova Scotia for decades, benefiting all residents of the

province. Canada's oil and natural gas industry contributes to local community and provincial revenues through royalty and tax payments, which help to pay for hospitals, roads, schools and social programs.

## Canada's Liquefied Natural Gas Opportunity

Jul 2018 Pub #: 2018-0024 2 Price:\$

Available: Electronic

(E) Significant potential economic benefits from establishing a Canadian LNG industry and resulting natural gas development could be generated across Canada if natural gas projects are established in a timely manner and able to access international markets.

## Canada's Natural Gas

Jul 2018 Pub #: 2018-0009 29p. Price:\$

Available: Electronic;Print

(E) The Facts on: Canada's Natural Gas was designed to give readers fast, easy access to natural gas facts that allow them to participate in a balanced discussion about energy, the economy and the environment. Facts are sourced from credible third parties or are developed using CAPP data that is checked against other data sources, including government reports.

## Canada's Oil and Natural Gas Industry: Energy Tomorrow

NO 2017 Pub #: 2017-0056 12p. Price:\$

Available: Electronic

(E) Canada is poised to be a global energy supplier of choice. That's why Canada can – and should – play a larger role in the world's energy of tomorrow. Canada can balance the world's growing energy needs with our planet's environmental imperatives.

## CAPP Hydraulic Fracturing Industry Shared Practices: Anomalous Induced Seismicity Due to Hydraulic Fracturing

FEB2014 Pub #: 2017-0008 4p. Price:\$

Available: Electronic

(E) The Industry Shared Practices ensures that CAPP members have access to the same information so that any potential risks related to induced seismicity caused by hydraulic fracturing is managed using the best available information, technology and science.

## Engagement with Indigenous Communities

SEP2018 Pub #: 2018-0023 2 Price:\$

Available: Electronic

(E) Canada's oil and natural gas industry continues to build positive and mutually beneficial relationships with Indigenous communities where we work.

## Guiding Principles for Hydraulic Fracturing

Dec 2012 Pub #: 2012-0030 1 Price:\$ 0

Available: Electronic;Print

(E) Guiding Principles for Hydraulic Fracturing. See also: 2012-0024; 2012-0029; 2012-0031; 2012-0032; 2012-0033; 2012-0034; 2012-0035; 2012-0036

## Hydraulic Fracturing Fact Sheet

SEP2017 Pub #: 2017-0044 2p. Price:\$

Available: Electronic

(E) Hydraulic fracturing is a government-regulated technology used safely for more than 60 years to recover oil and natural gas that is trapped in deep underground rock. Canada's oil and natural gas industry supports a responsible approach to hydraulic fracturing, water management and induced seismicity, and is committed to continuous improvement.

## Hydraulic Fracturing: How it works

AU 2018 Pub #: 2018-0019 2p. Price:\$

Available: Electronic;Print

(E) Hydraulic fracturing is a safe, proven technology that has opened up abundant sources of the cleanest-burning fossil fuel – natural gas. Through continued innovation and responsible operations, Canada is leading the way in developing this important resource responsibly in order to meet the world's growing energy demand.

## Induced Seismic Activity in Canada Fact Sheet

FEB2017 Pub #: 2017-0010 2p. Price:\$

Available: Electronic

(E) Induced seismicity refers to seismicity caused by human activity. Micro-seismicity is generally defined as seismicity of magnitude less than 3, as measured on the Richter scale. Anomalous induced seismicity refers to seismic events caused by human activity that is unusual or inconsistent with what is expected.

## Industry Collaboration: CAPP Hydraulic Fracturing Guiding Principles and Operating Practices

Dec 2012 Pub #: 2012-0029 1 Price:\$ 0

Available: Electronic;Print

(E) Industry Collaboration. See also: 2012-0024; 2012-0030; 2012-0031; 2012-0032; 2012-0033; 2012-0034; 2012-0035; 2012-0036

## Introduction au Gaz Naturel

Jun 2018 Pub #: 2018-0035 2 Price:\$

Available: Electronic

(E) Canada has enormous natural gas resources. In fact, given domestic consumption, Canada has more than enough natural gas for at least 300 years. Canada's natural gas industry is well-regulated, technically advanced, committed

to improving environmental performance and is positioned to help meet growing global demand.

## Introduction to Natural Gas - Fact Sheet

JUN2018 Pub #: 2018-0017 2p. Price:\$

Available: Electronic

(E) Canada has enormous natural gas resources. In fact, given domestic consumption, Canada has more than enough natural gas for at least 300 years. Canada's natural gas industry is well-regulated, technically advanced, committed to improving environmental performance and is positioned to help meet growing global demand.

## La collaboration de l'industrie principes directeurs et pratiques d'exploitation relatifs à la fracturation hydraulique

Dec 2012 Pub #: 2012-0045 1 p. Price:\$ 0

Available: Electronic;Print

(E) Hydraulic Fracturing Guiding Principles and Operating Practices. See also: 2012-0026; 2012-0037; 2012-0039; 2012-0042; 2012-0038; 2012-0040; 2012-0043; 2012-0041

## Living Together - Working Together - Industry Guiding Principles

MAY2018 Pub #: 2017-0048 2p. Price:\$

Available: Electronic;Print

(E) Canada's upstream oil and natural gas industry has a strong track record as a safe and reliable producer of energy, and partner in the community. Recognizing the increasing importance to be transparent and clearly demonstrate a commitment to responsible energy development, CAPP members collaborated to create Guiding Principles that focus on conduct in the communities where our members operate.

## Mitigation of internal corrosion in carbon steel gas pipeline systems

SEP2018 Pub #: 2018-0040 24p. Price:\$

Available: Electronic

(E) This document addresses design, maintenance and operating considerations for the mitigation of internal corrosion in gas pipeline systems constructed with carbon steel materials.

## Oil and Natural Gas Priorities for a Prosperous British Columbia

JUL 2017 Pub #: 2017-0036 12p. Price:\$

Available: Electronic

(E) British Columbia has what it takes to be a global energy leader: an abundance of natural gas, a highly skilled workforce, a stringent regulatory system, and a commitment to environmental performance. Now is the time to develop our resources to their full potential through leadership and fair, balanced policies, attracting investment and delivering economic prosperity for all British Columbians.

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## Principes directeurs relatifs à la fracturation hydraulique

Dec 2012 Pub #: 2012-0037 1 p. Price:\$ 0

Available: Electronic;Print

(E) Guiding Principles for Hydraulic Fracturing See also: 2012-0038; 2012-0039; 2012-0040; 2012-0041; 2012-0042; 2012-0043; 2012-0045; 2012-0026

## Quelques Chiffres Avantages de la Production du Transport et de l'Utilisation du Pétrole Canadien

MAY2017 Pub #: 2017-0014 2p. Price:\$

Available: Electronic

(E) As the sixth-largest producer of oil and fifth-largest producer of natural gas, Canada's oil and natural gas industry provides economic benefits across Canada and Québec.

## Quick Facts The Benefits of Producing Moving and Using Canadian Oil

MAY2017 Pub #: 2017-0015 2p. Price:\$

Available: Electronic

(E) As the sixth-largest producer of oil, Canada's oil sand industry provides economic benefits across Canada and Québec.

## Tight Oil: An Emerging Resource Fact Sheet

SEP2016 Pub #: 2016-0034 2p. Price:\$

Available: Electronic

(E) Tight oil is crude oil found deep below the earth's surface, primarily within low permeability sandstone and limestone reservoirs. The oil contained within these reservoir rocks will not typically flow to the wellbore without help from technologically advanced drilling and completion processes.

## Understanding Liability for Oil and Natural Gas Assets in Alberta

MAY2017 Pub #: 2017-0029 2p. Price:\$

Available: Electronic

(E) Every company that explores for and develops Canada's oil and natural gas resources is financially responsible for safely managing each well it drills, as well as any associated facilities. This includes all stages of a well's life cycle: exploration, development and operation, as well as end-of-life activities including abandonment and reclamation.

## Update: A Competitive Policy and Regulatory Framework for Alberta's Upstream Oil and Natural Gas Industry

SEP2018 Pub #: 2018-0041 70p. Price:\$

Available: Electronic

(E) In 2017, the Canadian Association of Petroleum Producers (CAPP) identified the challenges facing Alberta's upstream oil and natural gas sector in its report, A Competitive Policy and Regulatory Framework for Alberta's

Upstream Oil and Natural Gas Industry. CAPP proposed solutions to working collaboratively with the Government of Alberta (GoA) to improve the investment climate.

<p>Now, one year later, CAPP is providing an update on the status of Alberta's investment climate and its competitiveness - identifying areas of improvement, as well as opportunities for further prioritization with government.</p>

## Water Use for Hydraulic Fracturing in Alberta

Jul 2018 Pub #: 2018-0033 2 Price:\$

Available: Electronic

(E) Hydraulic fracturing is a government-regulated technology used safely for more than 60 years to recover shale or tight natural gas that is trapped in deep underground rock. In Alberta, the Alberta Energy Regulator (AER) regulates the use of water for tight oil and natural gas development. Industry is focusing on increasing use of alternatives and reducing the amount of surface water and fresh groundwater used in hydraulic fracturing.

## Water Use for Hydraulic Fracturing in British Columbia

Jul 2018 Pub #: 2018-0032 2 Price:\$

Available: Electronic

(E) Hydraulic fracturing is a government-regulated technology used safely for more than 60 years to recover shale or tight natural gas that is trapped in deep underground rock. In British Columbia, water used for natural gas development is regulated by the BC Oil & Gas Commission (BCOGC). Industry is focusing on increasing use of alternatives and reducing the amount of surface water and fresh groundwater used in hydraulic fracturing.

## What to Expect When You're Expecting a Well

Jun 2014 Pub #: 2014-0017 18 p. Price:\$

Available: Electronic;Print

(E) This brochure provides general information and an overview of the lifecycle of a typical well, which might be in production for 10 to 40 years. It illustrates activity levels at various stages and demonstrates most activity occurs in the very early stages of development. See also: 2014-0018

## **Policy & Regulatory**

### **A competitive policy and regulatory framework for Alberta's upstream oil and natural gas industry**

JUL 2017 Pub #: 2017-0035 49p. Price:\$

Available: Electronic

(E) The report outlines how new competitiveness measures could be created to attract investment and create jobs in Alberta's oil and natural gas sector, while protecting the high standards already in place for health, safety and environmental regulation.

### **Benzene Emission Reductions by the Upstream Petroleum Industry**

Sep 2003 Pub #: 2003-0011 2 p. Price:\$ 0

Available: Electronic;Print

(E) This document provides background information on Benzene emissions in the oil and gas industry and what industry is doing to regulate and reduce emissions. See also: 2003-0005, 2000-0035, 1999-0008

### **Best Management Practice for Fugitive Emissions Management**

Jan 2007 Pub #: 2007-0003 59 p. Price:\$ 0

Available: Electronic

(E) The aim of this Best Management Practices document is to assist the upstream oil and gas industry to meet the requirements under section 8.7 of AEUB Directive 060 and to cost effectively manage the most likely sources of significant emissions.

### **Bill C-69 Impact Assessment**

OCT2018 Pub #: 2018-0043 4p. Price:\$

Available: Electronic

(E) As Canada's environmental and regulatory processes are updated, CAPP wants to ensure that federal environmental assessments and regulatory reviews foster public and investor confidence while helping to get Canada's resources to market. In its current form, Bill C-69 will diminish the global competitiveness of Canada's oil and natural gas industry.

### **CAPP 2018 Economic Report Series: Competitive Climate Policy, Supporting Investment and Innovation**

JUN2018 Pub #: 2018-9305 17p. Price:\$

Available: Electronic;Print

(E) In the third report of the 2018 Economic Report Series, CAPP explores Canada's current climate policies; explains why current policies are having serious unintended consequences; outlines our industry's commitment to innovation; and presents recommendations we believe can spur industry growth, competitiveness, innovation, and emissions reduction

### **CAPP Best Management Practices for the Control of Benzene Emissions from Glycol Dehydrators Archive Memo, March 2016**

Mar 2016 Pub #: 2006-0011 1 p. Price:\$

Available: Electronic

(E)

### **Confined Space Code of Practice**

Jan 2018 Pub #: 2018-0011 67 p. Price:\$

Available: Electronic

(E) Working in or around a confined space is a high-risk activity. Across Canada, a significant number of people are killed or seriously injured in confined spaces each year. This happens in a wide range of industries, from those involving complex plants to simple storage vessels. Those affected include people working in the confined space and those who try to rescue them, often without appropriate training and equipment.

The regulations governing confined space activities vary significantly from one jurisdiction to the next. This Code of Practice for Confined Space was developed by the upstream oil and gas industry to provide Canadian regulators with a recommendation for the harmonization of Federal, Provincial and Territorial confined space regulatory requirements.

### **Dehydrator Benzene Inventory List (Form)**

Jun 2006 Pub #: 2006-0011 2 p. Price:\$ 0

Available: Electronic

(E) The Canadian upstream oil and gas industry is committed to minimizing health risks related to benzene emissions from glycol dehydrator operations through a continued reduction program. To further encourage emissions reductions, the Alberta Energy and Utilities Board and Alberta Environment have jointly issued <A HREF="http://www.eub.ca/docs/documents/directives/Directive039.pdf" target="\_blank">Directive 039</A> effective July 1, 2006. Licensees must comply with the new requirements by July 1, 2007. The <A HREF="http://www.capp.ca/~media/capp/customer-portal/publications/105760" target="\_blank">CAPP BMP</A> provides the tools necessary to be in compliance with the new requirements.

### **Évaluation de l'impact du projet de loi C-69**

OCT2018 Pub #: 2018-0045 4p. Price:\$

Available: Electronic

(E) As Canada's environmental and regulatory processes are updated, CAPP wants to ensure that federal environmental assessments and regulatory reviews foster public and investor confidence while helping to get Canada's resources to market. In its current form, Bill C-69 will diminish the global competitiveness of Canada's oil and natural gas industry.

## **Industrie Canadienne du pétrole et du gaz naturel : Mise au point à propos des <<subventions>>**

JUL 2018 Pub #: 2018-0030 2p. Price:\$

Available: Electronic

(E) In Canada, all businesses can deduct certain expenses and the oil and natural gas industry is no different. Tax measures of the oil and natural gas industry are not subsidies.

## **NPRI Guide - A Recommended Approach to Completing the National Pollutant Release Inventory for the Upstream Oil and Gas Industry**

Oct 2014 Pub #: 2014-0035 172 p. Price:\$

Available: Electronic

(E) This Guide is a recommended approach to completing the National Pollutant Release Inventory (NPRI) for the upstream oil and gas industry. The guide will assist companies in meeting the reporting requirements of the NPRI. Two related Excel documents are also provided: <P><A HREF='http://www.capp.ca/~media/capp/customer-portal/publications/119577src' target='\_blank'>Spill releases to air calculator</A> </LI><P><LI><A HREF='http://www.capp.ca/~media/capp/customer-portal/publications/119578src' target='\_blank'>VOC Speciation Calculator</A></LI></UL>

## **NPRI Guide - CAPP VOC Speciation Calculator**

Mar 2007 Pub #: 2007-0009 3 p. Price:\$ 0

Available: Electronic

(E) The NPRI Guide is a recommended approach to completing the National Pollutant Release Inventory (NPRI) for the upstream oil and gas industry. The guide will assist companies in meeting the reporting requirements of the NPRI. The VOC Speciation Calculator is provided in Excel format.

## **NPRI Guide - Spill releases to Air Calculator**

Mar 2007 Pub #: 2007-0009 3 p. Price:\$ 0

Available: Electronic

(E) The NPRI Guide is a recommended approach to completing the National Pollutant Release Inventory (NPRI) for the upstream oil and gas industry. The guide will assist companies in meeting the reporting requirements of the NPRI. This Excel spreadsheet provides a calculator for spill releases into the air.

## **Planning Horizontal Directional Drilling for Pipeline Construction**

SEP2004 Pub #: 2004-0022 Price:\$ 0

Available: Electronic

(E) Horizontal Directionally Drilling (HDD) has proven itself over the last few years to be a very effective technique for the installation of pipelines and other utilities in sensitive or congested areas. This document provides guidance on the

regulatory, environmental, geotechnical, risk, economics, engineering, contractual and construction considerations that must be evaluated prior to any final decisions to proceed with an HDD installation. The purpose of this document is to assist pipeline companies, contractors and regulators in planning, evaluating and constructing HDD crossings.

## **Process Safety Management Regulatory Scan Report**

Aug 2014 Pub #: 2014-0026 56p. Price:\$

Available: Electronic

(E) The management of process safety is globally recognized as the primary approach for establishing the required level of safe operations required to manage high-hazard processes. This summary was prepared on behalf of the CAPP Process Safety Management (PSM) Committee. The purpose is to provide an overview of process safety regulations and best practices in Canada and around the world. In Canada, many of the regulations required to address process safety management already exist together with responsible regulatory agencies. The key will be identifying the regulatory gaps and overlaps to ensure problem areas are targeted and a cohesive enforcement strategy developed. A joint regulator - industry dialog will be critical to ensure the success of these efforts. There has already been an extensive amount of work done on this subject. This summary leans heavily on the prior work done by a range of organizations and individuals. These are acknowledged throughout this overview. Links to key documents are provided in Appendix B.

## **Sour Non-Routine Flaring Guideline**

Nov 2013 Pub #: 2014-0006 49 p. Price:\$

Available: Electronic

(E) This document outlines the new regulatory approach and comprehensive plan for managing non-routine flaring as developed by the NRFTT, and the process that led to its development. See also: N/A

## **Subventions aux combustibles fossiles**

JUL 2018 Pub #: 2018-0025 2p. Price:\$

Available: Electronic

(E) While Canada taxes the consumption of oil and natural gas, many other countries in the world offer subsidies instead. Subsidies targeted at consumption, or reducing the cost of fossil fuels to the end user, is where the majority of global fossil fuel subsidies reside.

## **Update: A Competitive Policy and Regulatory Framework for Alberta's Upstream Oil and Natural Gas Industry**

SEP2018 Pub #: 2018-0041 70p. Price:\$

Available: Electronic

(E) In 2017, the Canadian Association of Petroleum Producers (CAPP) identified the challenges facing Alberta's upstream oil and natural gas sector in its report, A Competitive Policy and Regulatory Framework for Alberta's Upstream Oil and Natural Gas Industry. CAPP proposed

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<p>Now, one year later, CAPP is providing an update on the status of Alberta's investment climate and its competitiveness - identifying areas of improvement, as well as opportunities for further prioritization with government.</p>

## **Sour Gas Flaring & Venting**

### **Best Management Practices for Facility Flare Reduction**

Dec 2006 Pub #: 2006-0018 47 p. Price:\$ 0

Available: Electronic

(E) This Best Management Practice (BMP) document provides design and operating staff with a recommended approach to identify routine and non-routine flare sources and quantities, and assesses the opportunity for reduction of flare volumes and frequency at their operated facilities. The guidance provided in this BMP can also apply to routine and non-routine venting.

### **Emergency Air Monitoring Best Management Practices, March 2014**

Mar 2014 Pub #: 2014-0016 40p. Price:\$

Available: Electronic

(E) The best management practices guide for emergency air monitoring has been developed to provide information and guidance to oil and gas personnel when using air monitoring equipment during an emergency situation. This guide covers general considerations of emergency air monitoring such as the need for a communications process, the different types of air monitoring equipment, and the methodologies for their use. Specific substances are referenced including hydrogen sulphide, sulphur dioxide, carbon dioxide, and monitoring for flammable mixtures.

### **Guide for Estimation of Flaring and Venting Volumes**

Jul 2002 Pub #: 2002-0009 Price:\$ 0

Available: Electronic

(E) This document is to assist oil and gas production companies in quantifying volumes of natural gas vented and flared at typical upstream petroleum facilities as required by EUB Guide 60. This document provides formulas and examples that industry can use. The different methods are presented in order of increasing sophistication and accuracy, though it is up to the Operator to pick the appropriate methodology given the magnitude of the volume being estimated. In general, the simplest method should suffice. See also: 29101

### **Sour Non-Routine Flaring Guideline**

Nov 2013 Pub #: 2014-0006 49 p. Price:\$

Available: Electronic

(E) This document outlines the new regulatory approach and comprehensive plan for managing non-routine flaring as developed by the NRFTT, and the process that led to its development. See also: N/A

### **Update of Fugitive Equipment Leak Emission Factors**

Feb 2014 Pub #: 2014-0023 47 p. Price:\$

Available: Electronic

(E) This publication presents updated average emission factors for estimating emissions from fugitive equipment leaks at upstream oil and natural gas (UOG) facilities. The previous factors (CAPP, 2005) were developed based on measurement results collected from the mid 1990s to early 2000s. The updated factors are reflective of current conditions at UOG facilities that have implemented DI&M programs in accordance with the CAPP Best Management Practice of Fugitive Emissions at Upstream Oil and Gas Facilities and applicable regulatory requirements.