North America Regulation of International Electricity Trade

prepared by

North American Energy Working Group

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The North American Energy Working Group

The North American Energy Working Group (NAEWG) was established in spring of 2001 by the Canadian Minister of Natural Resources, the Mexican Secretary of Energy and the U.S. Secretary of Energy, to enhance North American energy cooperation. The Group is led by officials from Natural Resources Canada, the Mexican Secretariat of Energy, and the U.S. Department of Energy.

The goals of the NAEWG are to foster communication and cooperation among the governments and energy sectors of the three countries on energy-related matters of common interest, and to enhance North American energy trade and interconnections consistent with the goal of sustainable development, for the benefit of all. This cooperative process fully respects the domestic policies, divisions of jurisdictional authority and existing trade obligations of each country.

To achieve these goals, the NAEWG exchanges views and shares information on factors affecting North American energy, including policies and programs, sector developments and anticipated demand and sources of supply. It also identifies issues that need to be addressed, such as regulatory structures, interconnections, technical specifications, and technology research and development.

The scope of the NAEWG's discussions includes the full range of energy development, production, transport and transmission, distribution and consumption in North America. It also considers the full range of energy sources, as well as the efficient and clean production and use of energy.

This document, as a publication of the North American Energy Working Group, reflects a joint perspective of the national energy departments and regulators of Canada, Mexico and the United States. Information on each country contained in this document has been provided through the relevant country's national energy department, which retains sole responsibility for the information on its country.

Introduction

The North American Energy Working Group's Experts Group on Electricity Regulatory Issues has developed a concise summary of federal regulations in Canada, Mexico and the United States, with respect to the authorization of the construction and operation of international power lines and the authorization of electricity exports and imports. It is hoped that this guide to the regulatory requirements in each country will be useful to participants in the electricity sector with an interest in operating in multiple jurisdictions.

The information contained in this table is to be considered valid at the time of its release in December 2002. For an updated and complete description of the regulatory requirements in each country, interested persons should contact the respective regulatory agencies or government departments.

Canada - National Energy Board <u>General Inquiries</u> Phone: (403) 292-4800 or 1-800-899-1265 Fax: (403) 292-5503 E-mail: info@neb-one.gc.ca

Mexico - Energy Regulatory Commission <u>General Inquiries</u> Phone: (52-55) 5283-1596 Fax: (52-55) 5283-1597 E-mail: ure@cre.gob.mx

United States Department of Energy <u>General Inquiries</u> Phone: (202) 586-9482 Fax : (202)287-5736 web address: fe.doe.gov/coal_power/elect_reg/elect_reg.htm

Canada

United States

Mexico

General Infor	General Information				
Responsible Authority	National Energy Board (NEB)	Department of Energy (DOE)	Energy Regulatory Commission (CRE)		
Legislation		began in 1939 and was established by Executive Order rather than law. In 1953, <i>Executive Order</i> <i>10485</i> delegated the authority for Presidential permits to the Federal Power Commission; in 1978, <i>Executive Order 12038</i> transferred the authority to the Secretary of Energy	However, it was amended in 1992, in order to allow private participation under certain generation		
Regulated Activities	Construction and operation (and abandonment) of international power lines (IPLs). Electricity exports.	Construction, operation, maintenance, and connection of electric transmission facilities at the U.S. international border. Electricity exports.	Construction and operation of private generation plants under the self-supply, cogeneration, Independent Power Producer (IPP) ¹ , small production and import/export category. Any private party may apply for a generation permit under the above mentioned categories. However, the Comisión Federal de Electricidad (CFE) will be in charge of the planning of IPP projects and conduct an international bidding process. An IPP generation permit will be granted subject to the awarding of the above-mentioned bidding process.		

¹ An IPP is a private generation category permitted by the Public Electricity Service Act. This category consists of a power plant built and operated by a private party with an installed capacity larger than 30 MW. The producer will sign a Power Purchase Agreement with CFE to sell on an exclusive basis all the power plant capacity and the associated energy. These projects will be awarded through a bidding process carried out by CFE.

Canada	United States	
	Applications for presidential permits and electricity export authorizations are filed with DOE's Office of Fossil Energy. Applications should generally contain the information identified in DOE's regulations at 10 CFR 205.300.	that C Law a file an
The NEB's <i>Memorandum of Guidance</i> dated 26 August, 1998, and Guidelines to Filing Requirements dated 22 February, 1995, provide information on the application process and filing requirements.	Applicants for Presidential permits may request pre-application meetings with DOE to discuss filing requirements. Export authorization applicants do not generally require pre- application meetings.	any d

Procedure Application

requirements.

and Regulations)).

These documents are available at www.neb-

one.gc.ca (under Publications (Links to Acts

applicant must be aware of the types of permit CRE may grant and the requirements that the and the Regulations specify. The applicant must an application form requesting a generation or an ort permit.

Mexico

	Before filing the documentation, the applicant may		
equest	participate in meetings with CRE officers to resolve		
iscuss	any doubts regarding filling in the application form		
zation	or the additional documents required.		
pre-	The permit request and granting procedure is		

specified in the *Public Electricity Service Act* and its Application procedures and examples are regulation. (CRE's web site):

available at the program web <u>www.fe.doe.gov</u> (Electricity Regulation).	site	www.cre.gob.mx/English/publications/booklets/follet o%207/doc7-dis.html

Public Notification	the NEB, the applicant is required to publish	

Canada

United States

Mexico

International Po	International Power Lines			
Legislative Requirement	or operate a section or part of an international	person shall construct, operate, maintain or connect an electric transmission line at the borders of United States without a permit from the Federal Power Commission. In 1978, EO 12038 transferred authority to issue permits for new	The <i>Public Electricity Service Act</i> does not establish the need of a permit to construct, operate or maintain an International Transmission Line (IPL). If CFE constructs or operates the IPL, there is no need for such organism to obtain a CRE permit. In the other hand, if a private party is interested in building and/or operating an IPL, they will have to comply with the Official Mexican Standards (NOM's), and in the case that private party should be interconnected with the National Electric System, it will require a contract with CFE.	
Criteria	power line on provinces other than those through which the power line is to pass, which may include adverse effects on the power systems of those provinces. The NEB must take into account the impact of the construction or operation on the environment. This may require the applicant to prepare a	DOE must identify the environmental impacts of the project using the <i>National Environmental</i> <i>Policy Act of 1969</i> (NEPA). Three levels of environmental review are available under NEPA. DOE exercises its discretion, case-by-case, based primarily on project size and location, in determining the appropriate level of	environmental and municipal regulations. Additionally, if the applicant will use the National Electric System, they will have to sign an interconnection contract, which will establish the	

	Canada	United States	Mexico
Procedure			
Application	An application is filed with the Board containing information specified in the Board's Electricity Regulations. The Board's Memorandum of Guidance dated 26 August ,1998, and Guidelines to Filing requirements dated 22 February ,1995, provide information on the application process and filing requirements. These documents are available at <u>www.neb- one.gc.ca</u> (under "Publications" (Links to Acts and Regulations)). There are no application fees. The NEB recovers its costs from electricity exporters on a <i>pro rata</i> basis.	 containing the information specified in DOE regulations at 10 CFR 205.300. Regulations and examples are available on the program web site, www.fe.doe.gov (Electricity Regulation). A filing fee of \$150 U.S. must accompany a permit application. The applicant is responsible for the cost of the preparation of environmental assessments or environmental impact statements required by 	If the IPL is built by a private party, an export/import permit will be required. The procedure will be the same for an export/import permit. If the line is built by CFE it will not require any permit from the CRE, it will only have to comply with the environmental and municipal requirements. CFE will be responsible for all the reliability analysis. The applicant party must pay an export/import permit fee of \$68,001 Mexican pesos as permit rights. ²
Public Notification	Coincident with the filing of the application with the NEB, the applicant must publish a Notice of Application and Directions on Procedure (NOA/DOP) in the Canada Gazette and local	places a notice in the <i>Federal Register</i> announcing the start of a 30-day public comment period. During this period, interested parties may submit comments, protest the application or request to intervene in the proceeding.	There is no public notification requirement except in the case of permit termination, revocation, renewal or expiration.
Additional Filing Information		may have properties that preclude submission of	If the permit application is not complete and if additional information is required, the CRE could notify the applicant to submit any additional information required.
Authorization/ Issuance	operate an IPL, if it is satisfied that the information provided conforms with its		The CRE issues a permit to export and import electricity provided that the information conforms with all legal requirements.

² Approximately US.\$6,719 (exchange dollar rate from November 29th, 2002, issued by Mexican National Bank, Official Federation Gazette \$10.1193 pesos/US). The fee established in the Fee Federal Law has a semestral adjusment.

	Canada	United States	Mexico
	addressed. The permit normally includes terms and conditions to be fulfilled by the applicant respecting matters prescribed by the Electricity Regulations. If, after consideration of the relevant factors, the Board believes the application raises concerns, it may recommend to the Governor in Council (GIC) that a public hearing be held. If the Board approves the application after the public hearing it issues a certificate, subject to GIC approval.	environmental mitigation measures) or, based on	
Timing	notification is given), interested parties have 30 days to review it, in order to provide comments and ask for additional information. The applicant has 15 days to respond to any submissions. Interested parties then have 10 days to assess and comment on the responses. The Board may then issue a permit or make a recommendation to the	Applications requiring an environmental assessment usually can be completed within 6 months. DOE has identified types of projects that	the permit resolution. If there are any comments
Maximum Term for IPL Authorizations	NEB issues a permit or certificate without term limits. The NEB may revoke or suspend a permit or certificate: on application to the NEB, or by consent of the holder of the permit or certificate; or if the holder has not complied with a term or condition of the permit or certificate. The NEB must approve the abandonment of the operation of an IPL.	Although it has not occurred, permits may be	Permit issuance without time limit except for the IPP permits that last 30 years. However, permits may be revocated, according to the <i>Public Service Electricity Ruling Act</i> , if the permit holder doesn't comply with its obligations established in article 90 of the <i>Public Service Electricity Ruling Act</i> or if it transfers the permit right to another party in a different way than that established in the regulation.

Canada

United States

Mexico

Exports and In	nports		
Legislative Requirement	The <i>NEB Act</i> states that no person shall export any electricity except in accordance with a permit or licence issued by the Board (section 119.02). The NEB does not regulate imports of electricity.	that no person may export electric energy from	Currently, CFE carries on exports and imports activities, mainly for balances. In this sense, it requires an authorization from CRE or from the Energy Ministry. However, since the <i>Public Electricity Service Act</i> 's amendments in 1992, private parties are allowed to import for their own supply or export. Applicants for export or import permits may use either the National Electric System or build an IPL. In the first case, the applicant must sign an Interconnection Contract with CFE that establishes terms and conditions to use the National Electric System whenever it is required. In the second case, and if the line built by the
Criteria		The applicant must demonstrate to DOE's satisfaction that the electricity export would not impair the sufficiency of electric supply within	
	The NEB must take into account the impact of the export on the environment. The NEB must take into account whether the applicant has: (i) informed those who have declared an interest in buying electricity for consumption in Canada of the quantities and classes of service available for sale, and (ii) given an opportunity to purchase electricity on terms and conditions as favourable as the terms and conditions specified in the application to those who, within a reasonable time after being informed, demonstrate an intention to buy electricity for consumption in Canada. These considerations are referred to as the provision of Fair Market Access. The NEB must take into account other	operational reliability of the U.S. electric power supply system). Using NEPA criteria, DOE must assess the impact of the export on the environment.	exported is the result of cogeneration, independent power production and small –scale production only. The granting of the permits is subject to the

	Canada	United States	Mexico
	considerations as specified in the Board's Electricity Regulations.		utility, that is the responsibility of the permit holders. The permit holders shall use generated electricity for their own supply and the surplus energy may be sold to CFE.
Procedure			
Application	An application is filed with the Board containing information specified in the Board's Electricity Regulations. The Board's Memorandum of Guidance dated 26 August ,1998, provides information on the application process and filing requirements. These documents are available at <u>www.neb- one.gc.ca</u> (under Publications (Links to Acts and Regulations)). There are no application fees. The NEB recovers its costs from electricity exporters on a <i>pro rata</i> basis.	An export application is submitted containing the information specified in DOE regulations at 10 CFR 205.300. The regulations and examples of applications are available on the program web site at <u>www.fe.doe.gov</u> (Electricity Regulation). A \$500 U.S. filing fee must accompany each application.	The applicant must submit a permit application and all the information and studies, established in the <i>Public Electricity Service Ruling Act</i> , to the CRE. Along with the information mentioned above, the applicant will have to submit a document recording the commitment or letter of intention to acquire electricity by persons in another country. The permit request procedure is specified in the <i>Public Electricity Service Ruling Act</i> and at CRE's web site: <u>www.cre.gob.mx/English/publications/booklets/folle</u> to%207/doc7-dis.html The applicant party must pay an application fee of \$68,001 Mexican pesos as permits rights ³ .
Public Notification	the NEB, the applicant must publish an	Within 2 weeks of receiving an export application, DOE places a notice in the <i>Federal</i> <i>Register</i> announcing a 30-day public comment period. During this time, interested parties may submit comments, protests, or request to intervene in the proceeding. The application can be viewed on the program web site after the notice appears in the Federal Register.	There is no public notification requirement except in the case of permit termination, renewal or expiry.
Additional Filing Information	After reviewing of the application, the Board and other interested parties may request additional information to complete the record.		If the permit application is not complete and if additional information is required, the CRE will notify the applicant and it will have a 5 working days period to submit any additional information required.
Authorization/ Issuance	The Board issues a permit to export electricity, if it is satisfied that the information provided conforms to its requirements and all concerns	DOE issues electricity export authorizations after providing for public comment.	The CRE issues a permit to export and import electricity provided that the information conforms with all legal requirements.

³ ibid.

	Canada	United States	Mexico
	have been addressed. The permit normally includes terms and conditions to be fulfilled by the applicant respecting matters prescribed by the Electricity Regulations.	Electricity export authorizations may limit the amount of power that may be exported over a specific transmission line.	
	If, after consideration of the relevant factors, the Board believes the application raises concerns, it may recommend to the Governor in Council (GIC) that a public hearing be held. If the Board approves the application after the public hearing, it issues an export licence, subject to GIC approval.		
Timing	From the date the application is filed (and public notification is given), interested parties have 30 days to review it, in order to provide comments and ask for additional information. The applicant has 15 days to respond to any submissions. Interested parties then have 10 days to assess and comment on the responses. The Board may then issue a permit or make a recommendation to the GIC that the application be designated for a public hearing. Additional time would be required in the case where a public hearing is held.		After the CRE receives all the information submitted by the applicant, the CRE will ask CFE's opinion, which they will have 30 working days period to submit. This opinion will have regard to the availability of wheeling and back-up services that the applicant may require and, if applicable, the delivery of surplus energy to CFE. Once the CRE receives the public utilities' opinion, it will have a 20 working days period to issue the permit resolution. If there are any comments from the CRE or the public utilities, the applicant will have 10 working days to submit any corrections to the permit application. Finally the CRE has a 20 working days period to publish the permit resolution.
Maximum Term for Export Authorizations	The maximum term for a permit or licence is 30 years. Typically, the term applied for in recent permit applications has been 10 years. The NEB may revoke or suspend a permit or licence: on application to the NEB, or by consent of the holder of the permit or licence; or if the holder has not complied with a term or condition of the permit or licence.	Currently, initial authorizations issued to power marketers, or traditional utilities operating as marketers are limited to 2 years; renewals are limited to 5 years. Authorizations for exports by traditional utilities, exporting from their own generation resources, are currently issued without term limits. Exceptions have been granted. Renewals may be sought 6 months prior to expiration. Longer terms may be available on a case-by-case basis.	Permit issuances are without time limits, except in the case of IPP permits which may have a duration of up until 30 years and are also subject to CFE's PPA. Permits may finish for expiration, permit holder dissolution, concession ending and revocation according to the article 99 of <i>Public Service</i> <i>Electricity Ruling Act</i> .
Reporting Requirements	report to the NEB, on a monthly basis, the		CFE is required to notify the Secretariat of Finance and Public Credit about the import and export of power it carries on.

Canada	United States	Mexico
	Export authorizations held by "traditional" utilities and Presidential permit holders have annual reporting requirements for the same information.	On the other side, private parties are required to inform the CRE about their export and import activities.

Glossary of Terms

CEA Act: Canadian Environmental Assessment Act of 1995

CFE: Comisión Federal de Electricidad

CFR: [U.S.] Code of Federal Regulation

CRE: *Comisión Reguladora de Energía* or Energy Regulatory Commission

CRE Act: *Comisión Reguladora de Energía* or Energy Regulatory Commission Act of 1995

CSR: [Canada] Comprehensive Study Report

- DOE: [U.S.] Department of Energy
- DOP: [Canada] Directions on Procedure
- EO: [U.S.] Executive Order
- EPN: [Canada] Early Public Notification
- FPA: [U.S.] The Federal Power Act
- GIC: [Canada] Governor in Council
- INE: [Mexico] National Ecology Institute
- **IPLs:** International Power Lines
- **IPPs:** Independent Power Producers

LSPEE:	Ley	del	Servicio	Público	de	Energía	Eléctrica	or	Public
Electricit	y Sei	rvic	e Act of 1	1975, am	enc	led in 199	92		

NAEWG: North American Energy Working Group

NEB: [Canada] National Energy Board

NEB Act: [Canada] National Energy Board Act of 1959 and later amendments

NEPA: [U.S.] National Environmental Policy Act of 1969

NOA: [Canada] Notice of Application

SEMARNAT: Environment and Natural Resources Ministry