



MANITOBA



ICELAND

MEMORANDUM OF UNDERSTANDING
ON HYDROGEN DEVELOPMENT

BETWEEN THE
GOVERNMENT OF ICELAND
AND THE
GOVERNMENT OF MANITOBA

Jointly referred to as the Participants

*Hydrogen
Development*

WHEREAS Manitoba and Iceland have strong cultural ties dating back to the 1870s, with a significant portion of Manitoba's population today having Icelandic ancestry.

WHEREAS Manitoba has very good political, business and academic ties with Iceland and is home to the Icelandic Consul General for Western Canada.

WHEREAS Manitoba and Iceland share a similar focus on energy, particularly hydroelectric power, as a major economic driver for their respective jurisdictions.

WHEREAS The Government of Iceland and the Government of Manitoba share similar commitments to facilitating the development and use of renewable and alternative energy, including hydrogen, for both economic and environmental purposes.

WHEREAS The Government of Iceland has made public its plans for enhancing development towards a future hydrogen economy including the production of hydrogen, the use of fuel cells for transportation purposes, and the development of hydrogen related expertise and technology.

WHEREAS The Government of Manitoba has made commitments to examine and pursue opportunities for hydrogen development through the Manitoba Hydrogen Steering Committee.

WHEREAS The Government of Iceland and the Government of Manitoba have existing memorandums of understanding and arrangements between the University of Manitoba and several universities and community colleges in Iceland.

1.0 PURPOSE

The purpose of this Memorandum of Understanding (MOU) is to:

- Promote a closer relationship between the Government of Manitoba and the Government of Iceland;
- Investigate matters of mutual interest to Manitoba and Iceland regarding the potential for joint initiatives on hydrogen development;
- Develop individual annexes to this MOU for each specific joint initiative identified by the participants; and
- Investigate the benefits of people and information exchanges and joint research/training initiatives in relation to hydrogen development activities.

2.0 IMPLEMENTATION

The following principles, to the extent applicable, will apply to initiatives undertaken through this MOU.



Initiatives may:

- Serve to establish a strong relationship between both participants, without negatively impacting each other's business competitiveness;
- Serve to enhance each participant's ability to research and pursue like hydrogen development opportunities by pooling resources and sharing information where possible;
- Ensure that each participant is able to work cooperatively to the fullest extent consistent with the law and existing agreements between the respective countries; and
- Respect each participant's need for confidentiality when sharing information.

3.0 COMMITMENTS

Each participant will undertake to fulfil the following commitments:

- To develop fully the annexes identified in the Joint Actions section of this document; and
- To commit the resources at its disposal in order to maximize and develop each of the annexes.

4.0 JOINT ACTIONS

Joint actions between the participants will be developed in detailed addendum annexes. The following are broad areas for possible co-operation that will be explored according to the individual annexes:

- Hydrogen demonstration projects;
- Strategic partnerships and collaborative planning;
- Enhancing aspects of hydrogen research;
- Technology/economic assessment and forecasting;
- Policies and guidelines for joint investment/manufacturing opportunities;
- Promotion of joint technology development/licensing opportunities;
- Education/training programs;
- Exchange programs for business leaders, scientific community and government officials; and
- Hydrogen related transportation policy.

Projects may be undertaken either independently or jointly in support of decided-upon priorities. The participants will jointly decide on programming responsibilities and overall resource levels to be devoted to initiatives undertaken under the MOU.



5.0 AMENDMENT AND TERMINATION

This MOU may be amended by mutual consent of the participants in writing at any time. The results and planned actions will be reviewed on an annual basis. Either participant may terminate this MOU by giving three months prior notice in writing to the other participant.

6.0 CO-ORDINATION AND IMPLEMENTATION

A Manitoba - Iceland Hydrogen MOU Steering Committee, co-chaired by representatives designated by each government, will be responsible for ensuring the intent of this MOU is fulfilled, and for recommending any future actions.

This MOU does not create any enforceable legal or equitable rights, or obligations, but merely acknowledges the intentions of the participants to pursue mutually beneficial initiatives.

Signed in duplicate in _____, this _____ day of _____ 2003.

FOR THE GOVERNMENT OF ICELAND

FOR THE GOVERNMENT OF MANITOBA

original signed by

original signed by

Valgerður Sverrisdóttir
Minister of Industry and Commerce

Honourable Tim Sale
Minister of Energy, Science and Technology