



**Government of
Saskatchewan**

MEMORANDUM OF UNDERSTANDING
Between
THE PROVINCE OF SASKATCHEWAN of CANADA
And
THE STATE OF VICTORIA of AUSTRALIA
CONCERNING COLLABORATION OF RESEARCH AND
DEVELOPMENT AND JOINT PROJECTS RELATED TO
CLIMATE CHANGE

The MINISTRY OF ENVIRONMENT of the PROVINCE OF SASKATCHEWAN of CANADA (Saskatchewan) and the DEPARTMENT OF PRIMARY INDUSTRIES and the DEPARTMENT OF SUSTAINABILITY AND ENVIRONMENT of the STATE OF VICTORIA of AUSTRALIA (Victoria), hereinafter referred to as the "Participants",

Wishing to forge stronger relationships through collaborating and sharing information on the research and development of new and emerging technologies, and to facilitate joint research and development and commercial projects for abatement of greenhouse gas emissions (GHG), and adaptation to climate change.

Sharing a desire to grow investment, and strive to explore research and development challenges for low-carbon technologies and processes.

Have come to the following understanding:

1. PURPOSE

The purpose of this Memorandum of Understanding (MoU) is to record the separate intentions of the Participants for a series of future strategies, focus areas, and joint initiatives on research and development contemplated by this MoU. The Participants understand that they will significantly gain from this new relationship.

2. SCOPE

This MoU sets out the:

- (i) core visions and objectives of the Participants;
- (ii) priority areas for collaboration on research, development and joint commercial projects to develop cost-effective environmental technologies to mitigate GHG emissions, and implement adaptation initiatives to enhance adaptive capacity;
- (iii) duration and mechanisms through which strategic joint initiatives are envisaged to be developed and managed in the clean energy technology, and adaptation planning fields.

3. CORE VISIONS AND OBJECTIVES

(a) The core visions of the Participants include:

- (i) building thriving economies with more quality jobs and innovative industries across their respective jurisdiction, while growing and linking their respective jurisdiction; and
- (ii) maintaining a healthy environment for future generations, and ensuring efficient use of natural resources.

(b) The policy objectives of the Participants are to:

- (i) reduce GHG emissions from the production and use of energy;
- (ii) identify and pursue policy paths which ensure that the Participants are in a position to:
 - (A) facilitate a transition to a carbon-constrained future;
 - (B) protect economic interests by maintaining a secure, reliable and affordable supply of energy;
 - (C) create an attractive environment for investment in the clean energy technology sector and the wider community; and
 - (D) ensure balanced, long-term energy/environment planning by the Participants.

(c) The Participants will share their capabilities and resources in the energy and environment fields to attain their core visions and objectives.

(d) The Participants will take measures including joint research ventures, projects and information exchange to facilitate research and development collaboration. Each of the Participants understand that support for a given collaborative project be subject to the availability of resources (financial and non financial) and to relevant policies, laws and regulations applicable to each of the Participants.

(e) The Participants will ensure that the precise nature of such projects, joint ventures and information exchange is governed by individual arrangement which, whilst not outlined herein, will be formalised as and when the Participants deem appropriate. The Participants will not be involved in any contract negotiation between partners outside the Participants as this is subject to the individual collaboration partner.

(f) The Participants will introduce procedures to ensure that prospects for collaboration under this MoU are considered by officers authorised to initiate or approve tasks or projects.

4. PRIORITY AREAS FOR COLLABORATION

(a) The Participants note the synergies between Victoria's identified strategic capabilities and those of Saskatchewan's core vision, and will focus on research, development and other joint commercial projects in the following key areas:

(i) Clean coal technologies

- (A) High efficient next generation power plants (e.g. supercritical pulverized coal, coal gasification);
- (B) Carbon capture and storage;
- (C) Efficiency improvements for coal-fired power stations (refurbishment);
- (D) Advanced materials for high-temperature use in power plants;
- (E) Brown coal and lignite drying; and
- (F) Coal to liquids.

(ii) Renewable energy technologies

- (A) Wind energy systems;
- (B) Solar thermal and solar photovoltaic systems;
- (C) Energy storage systems; and
- (D) Biomass (e.g. coal replacement in thermal power plants; second generation biofuels).

(iii) Alternative technologies

- (A) Energy conservation and efficiency;
- (B) Smart energy network and distributed generation; and
- (C) Green economy and jobs.

(iv) Adaptation planning and policy

- (A) Drought management;
- (B) Water conservation; and
- (C) Fire management.

(b) The Participants will exchange knowledge and best practices in the above described areas:

- (i) to enhance mutual commercial opportunities in these energy areas;
- (ii) to start networking between themselves;
- (iii) to initiate cooperative Research and Development and Demonstration as well as commercial projects; and
- (iv) the Participants may investigate additional areas of policy and Research and Development, as well as joint commercial interests, in a manner consistent with the purpose of this MoU.

5. STATUS

- (a) Nothing in this MoU will be interpreted to prejudice or modify existing responsibilities or obligations of any Participant.
- (b) This MoU is not legally binding.
- (c) This MoU does not limit discussions by any of the Participants for initiatives to establish or conduct collaborative projects with any other organization.

6. DESIGNATED REPRESENTATIVES

(a) The Participants designate the following as their representatives to perform certain actions in relation to this MoU:

(i) For Saskatchewan: The Deputy Minister
 Ministry of Environment
 Saskatchewan, Canada

(ii) For Victoria: The Secretary
 Department of Primary Industries
 Victoria, Australia.

(b) The Participants will ensure that its designated representative:

(i) arranges (in conjunction with the other's designated representative) such meetings of appropriate staff of the Participants, as and when necessary or desirable, to facilitate the efficient and effective operation of this MoU; and

(ii) ensures periodic reviews of this MoU.

(c) The Participants designate the following as their lead agency for the purpose of this MoU:

(i) For Saskatchewan: the Ministry of Environment

(ii) For Victoria: the Department of Primary Industries.

(d) To supervise the execution of this arrangement the Participants will designate one general coordinator through whom all requests and plans will be made.

7. FINAL DISPOSITIONS

(a) This MoU will take effect at the date of its signature by the Participants. It will remain effective for a period of three years renewable upon the mutual consent of the Participants.

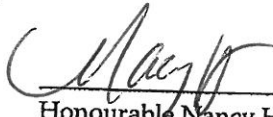
(b) The Participants will review this MoU three years from the date of its entry into effect. The Participants will conduct the review separately, and will address key questions such as the results and the possible improvements and benefits.

(c) The Participants may amend this MoU upon their mutual written consent. The Participants will discuss any proposed amendment through their respective representatives.

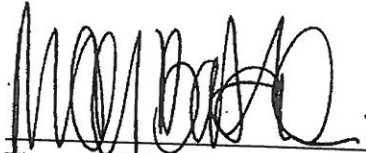
(d) The Participants may terminate this MoU at any time, by giving a four month written notice to the other Participants. Such termination will not affect any other arrangement between the Participants, such arrangements continuing to be governed by their respective terms and conditions.

Signed in duplicate at Copenhagen on this 18 day of December 2009, in the English language.

For the Province of Saskatchewan


Honourable Nancy Heppner
Minister of Environment

For the State of Victoria


Honourable Peter Batchelor
Minister for Energy and Resources